APPENDIX TO

The Calcutta Gazette.

WEDNESDAY, JULY 4, 1900.

NOTICES TO MARINERS.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 149.

[First Publication.]

INDIA, WEST—BOMBAY COAST.

Removal of certain buoys for the south-west monsoon.

THE Bombay Government has given notice (No. 53 of 1900) that the undermentioned buoys between Alibág and Vengurla were removed from their positions for the south-west monsoon on the dates noted against them:—

Alibág Buoy	24th May 1900.
Bánkot Buoys	20th " "
Anjanvel Buoy	16th " "
Ambulgad Reef Buoy (Jaitapur)	21st " "
Chaldea Rock Buoy	19th " "
Málvan Outer Rock Buoy	20th " "
Johnstone Castle Buoy	23rd " "
Málvan Harbour Buoys	24th " "

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 29th June 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 150.

[First Publication.]

AFRICA, EAST COAST—DELAGOA BAY.

Cockburn channel—Position of pile driver-lights.

WITH reference to Notice to Mariners No. 108, dated the 27th April 1900, issued by this office, the British Admiralty has given further notice (No. 297 of 1900) that information, dated 18th April 1900, has been received from Commander A. E. A. Grant, H.M.S. *Racoon*, that it is not intended to abandon the construction of the lighthouse on the Cockburn shoal, as a pile driving apparatus for constructing the lighthouse has been established about one cable south of Cockburn shoal buoy (black pyramidal), from which a *white fixed* light is exhibited.

As a *white fixed* light (indifferent) is also shown from the Pilot hulk, situated abou 3 cables to the northward, mariners are cautioned not to mistake one for the other.

Approximate position, Pilot hulk, lat. 25° 53′ 0″ S., long. 32° 54′ 5″ E.

(*Variation 23° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Tugela river to Delagoa bay No. 2089; Delagoa bay, No. 644: Also, Africa Pilot, Part III, 1897, page 190.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 29th June 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 151.

[First Publication.]

NEW ZEALAND, SOUTH—OTAGO HARBOUR.

Beacons, buoys, lights, &c.

THE British Admiralty has given notice (No. 298 of 1900) that the following information, dated 29th March 1900, has been received from Commander R. G. O. Tupper, H.M.S. *Pylades*, respecting the beacons, buoys, and lights, &c., in Otago harbour:—

1. The light (*fixed red*) shown from the beacon at the Pilot station, Taiaroa head, has been discontinued.

   Approximate position, lat. 45° 47′ S., long. 170° 45′ E.

2. A black buoy has been moored to mark the edge of the bank, which has extended off Williams point, with the eastern extreme of Taylor point bearing N. 32° W. distant one-third of a mile, and Acheron head S. 61° W.

   Approximate position, lat 45° 48′ 0″ S., long. 170° 41′ 35″ E.

3. The black buoy on the southern side of the channel near Acheron head is situated about 2 cables farther to the eastward than given on the Chart, or with Acheron head bearing N. 37° W., distant 1¼ cables, and Rocky point S. 53° W.

4. The light ("F. 15 feet") on the edge of the bank marked "Sand, mud, and shells" is placed on the Chart about 3 cables to the eastward of its proper position; it is situated with Acheron head bearing N. 31° E., distant 3 cables, and north extreme of Deborah bay N. 61° W.

5. A powder magazine, which is conspicuous, stands on piles erected on "Sand, mud and shells" bank with Rocky point bearing S. 87° W., distant 4¾ cables, and Bowen pier S. 32° W.

6. A black beacon marks the eastern side of the channel off port Chalmers, situated with Bowen pier head bearing S. 71° W., distant 2½ cables, and Rocky point N. 32° W.

7. The two beacons situated 11 and 12 cables respectively S. 26° E. of Rocky point no longer exist.

(*Variation 16° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—Otago harbour, No. 2411: Also, List of Lights, Part VI, 1900, Nos. 1484, 1486; New Zealand Pilot, 1891, page 306; and Hydrographic Notice No. 2 of 1895, relating to that work, page 11.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 29th June 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 152.

[First Publication.]

JAPAN—YEZO.

Yesansaki light—Character altered.

THE British Admiralty has given notice (No. 302 of 1900) that on and after 10th April 1900, the colour of the red flash shown from Yesansaki lighthouse would be altered to *white*, but that in other respects the light would remain unchanged. The character of the light will, therefore, now be *white flashing* every *fifteen seconds*.

Approximate position, lat. 41° 49′ N., long. 141° 11′ E.

This Notice affects the following Admiralty Charts:—North-west Pacific ocean, No. 2459; Kuril islands, No. 2405; Nipon island, No. 2347; Yezo island, No. 452; Tsugaru strait, No 2441: Also, List of Lights, Part VI, 1900, No. 934; and China Sea Directory, vol. IV 1894, page 573.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 29th June 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 153.

[First Publication.]

EASTERN ARCHIPELEGO—SUMATRA, WEST COAST.

Banjak islands—Buoys altered.

WITH reference to Notice to Mariners No. 55, dated 17th February last, issued by this office, the British Admiralty has given further notice (No. 303 of 1900) that the black nun buoy surmounted by a ball, which was moored on the south-western side of Arumpanjang reef, has been moved to a position off the extremity of the spit extending south-westward from Singkel point, and moored in a depth of 12 fathoms, with southern extreme of Singkel point bearing N. 77° E., distant 5 miles, and Tanjong Palikala N. 12° W.

Approximate position on Chart No. 855, lat. 2° 14′ 30″ N., long. 97° 40′ 45″ E.

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Acheh head to Tyingkok bay, No. 2760; Banjak islands on sheet No. 855: Also, China Sea Directory, vol. I, 1896, page 282.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 29th June 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 145.

[Second Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

Dolphin shoal buoy adrift.

CAUTION.—A telegraphic communication has been received from the Port Officer, Chittagong, stating that Dolphin shoal buoy has gone adrift. Commanders of mail steamers are particularly warned.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 23rd June 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 146.

[Second Publication.]

EASTERN ARCHIPELAGO—STRAIT OF MAKASSAR.

Particulars of Sangata and other reefs.

THE British Admiralty has given notice (No. 283 of 1900) of the following particulars respecting Sangata, and other reefs in the vicinity, off the south-east coast of Borneo:—

1. Sangata reef, which is about 1¾ miles long and three-quarters of a mile broad, consists of two coral heads with depths of 6½ to 9 fathoms between them, and surrounded by depths of over 100 fathoms; the least depth on the Northern head is 1½ fathoms, the Southern head partially dries.

   Approximate position of Southern head, lat. 0° 19′ 35″ N., long. 117° 42′ 30″ E.

   Tide ripples and discoloured water mark this reef.

2. The following coral reefs have been discovered:—

   (*a*) A reef which dries, oval shaped, 500 yards long, N.E. and S.W., 300 yards broad, and surrounded by depths of 11 fathoms, in approximately lat. 0° 13′ 20″ S., long. 117° 29′ 25″ E.

   (*b*) A reef with a depth of 1 fathom over it, circular in shape, of about one cable in diameter, and surrounded by depths of 14 fathoms, in approximately lat. 0° 12′ 55″ S., long. 117° 31′ 10″ E.

   (*c*) A reef with a depth of 1 fathom over it, circular in shape, of about one cable in diameter, and surrounded by depths of 20 fathoms, in approximately lat. 0° 11′ 25″ S., long. 117° 33′ 55″ E.

   About 1,100 yards N. 41° W. of the above is a reef with a depth over it of 1 fathom.

   The above reefs are not easily distinguished.

   (*d*) A reef which dries, about 500 yards long, North and South, and 300 yards broad, surrounded by depths of 13 fathoms, in approximately lat. 0° 1′ 0″ N., long. 117° 32′ 30″ E.

   About 2½ miles N. 20° W. of the above is a reef with a depth of 1 fathom over it, 100 yards in extent, and surrounded by depths of 10 to 11 fathoms.

   (*e*) A reef with a depth of 3 feet over it, 400 yards long, N.N.E. and S.S.W., 300 yards broad, and surrounded by depths of 15 to 20 fathoms in approximately lat. 0° 15′ 10″ N., long. 117° 37′ 20″ E.

   Seven cables southward of the above is a reef with a depth of 9 fathoms over it.

   (*f*) A reef which dries, about 500 yards long, East and West, 300 yards broad, and surrounded by depths of 14 to 16 fathoms, in approximately lat. 0° 17′ 55″ N., long. 117° 34′ 25″ E.

   About 1,700 yards S. 80° W. from the above is a reef with a depth of 3 feet over it and about 200 yards in extent.

   (*g*) A reef with a depth of 4 fathoms over it, about 300 yards in extent, in approximately lat. 0° 22′ 30″ N., long. 117° 40′ 40″ E.

   (*h*) A coral reef with a depth of 3 feet over it, circular in form, with a diameter of about 200 yards, in approximately lat. 0° 29′ 50″ N., long. 117° 44′ 30″ E.

   (*i*) A reef with a depth of 1¾ fathoms over it, circular in form, with a diameter of about 200 yards, in approximately lat. 0° 31′ 5″ N., long. 117° 45′ 0″ E.

   (*j*) A reef with a depth of 3 feet over it, about 300 yards long, North and South, and 200 yards broad, in approximately lat. 0° 31′ 55″ N., long. 117° 46′ 20″ E.

   (*k*) A reef with a depth of 3 feet over it, circular in form, with a diameter of about 200 yards, in approximately lat. 0° 36′ 30″ N., long 117° 49′ 55″ E.

   (*l*) A reef with a depth of 1 fathom over it, about 600 yards long, N.E. and S.W., and 200 yards broad, in approximately lat. 0° 42′ 25″ N., long. 117° 56′ 35″ E.

   (*m*) A reef which dries in patches, about 2¾ miles long, East and West, one mile broad, and surrounded by depths of 17 to 28 fathoms.

   Approximate position of South-Western corner, lat. 0° 44′ 40″ N., long. 117° 57′ 20″ E.

   About 1,100 yards to the southward of the above position is a reef with the least depth of 6 fathoms over it.

The reefs mentioned from (*d*) to (*m*) are marked by discoloured water, though sometimes only so seen at a short distance.

The following reefs do not exist and have been erased from the Charts :—

Kurau, in approximately lat. 0° 47′ N., long. 117° 51¾ E.

A reef, in approximately lat. 0° 28′ N., long. 117° 40′ E.

Bungalen reef has been unsuccessfully searched for, and has therefore been marked E.D. on the Chart.

Approximate position, lat. 0° 33½′ N., long. 117° 57½′ E.

The depths given are reduced to low-water spring tides.

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Charts :—China sea, No. 2660b ; Eastern Archipelago, No. 941b ; strait of Makassar, No. 2636 : Also, Eastern Archipelago, part II, 1893, pages 317, 318 ; and Supplement, 1899, relating to that work, page 39.

A new edition of 2636 will shortly be issued.

E. J. Beaumount, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Calcutta, *the 23rd June 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 147.

[Second Publication.]

AUSTRALIA, SOUTH—Spencer gulf.

Cockle spit eastern buoy—Position altered.

The British Admiralty has given notice (No. 285 of 1900) that information, dated 9th April 1900, has been received from the Government of South Australia, stating that in consequence of the extension to the eastward of the Cockle Spit shoal, Germein bay, the buoy (red, with staff and ball) marking the east end of the shoal has been moved about 3 cables to the eastward, and is now moored with Germein jetty lighthouse, bearing N. 24° E., distant 17½ cables, and Cockle Spit beacon N. 80° W.

Approximate position, lat. 33° 3′ 45″ S., long. 137° 58′ 30″ E.

The depths westward of this buoy are under 14 feet.

(*Variation 5° Easterly in 1900.*)

This Notice affects the following Admiralty Charts :—St. Vincent and Spencer gulfs, No. 2389b ; Wood point to Lowly point, No. 403 : Also, Australia Directory, vol. I, 1897, page 254.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Calcutta, *the 23rd June 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 148.

[Second Publication.]

JAPAN—Simonoseki strait.

Shirasu light—Character altered.

The British Admiralty has given notice (No. 296 of 1900) that on 10th April 1900 the character of Shirasu light, at the western entrance to Simonoseki strait, would be altered from red fixed to an unwatched *white flashing* light *every ten seconds*, with a light power of 4,500 candles.

Shirasu light is elevated 50 feet above high water, and visible in clear weather from a distance of 12 miles; it is shown from a cylindrical tower, about 50 feet high, painted in black and white horizontal bands, the upper part being iron, the lower stone.

Approximate position, lat. 33° 59′ N., long. 130° 47′ E.

This Notice affects the following Admiralty Charts :—Kiusiu, No. 358 ; Hirado no Seto to Simonoseki strait, No. 127 ; Simonoseki strait, No. 532 : Also, List of Lights, part VI, 1900, No. 859 ; and China Sea Directory, vol. IV, 1894, page 439.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Calcutta, *the 23rd June 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 143.

[Third Publication.]

EASTERN ARCHIPELAGO, SUMATRA—NORTH-EAST COAST.

Deli river—Light discontinued.

THE British Admiralty has given notice (No. 273 of 1900) that on 1st May 1900, the light (*white fixed*) exhibited on the south side of the entrance to the Deli river was discontinued; it has therefore been erased from the Chart.

Approximate position, lat. 3° 46½′ N., long. 98° 42½′ E.

This Notice affects the following Admiralty Chart—Diamond point to pulo Berhala, No. 1353 : Also, List of Lights, part VI, 1900, No. 393 ; China Sea Directory, vol. I, 1896, page 81 ; and Supplement, 1899, relating to that work, page 7.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 15th June 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 144.

[Third Publication.]

AUSTRALIA—ST. VINCENT GULF.

Approach to Port Adelaide.

WITH reference to Notice to Mariners No. 177, dated 16th September 1899, issued by this office, the President, Marine Board, Port Adelaide, has given further notice (No. 2 of 1900) informing Masters of vessels and others that the erection of the new Lighthouse on Wonga Shoal, Port Adelaide, will be commenced at an early date, and that during the continuance of the work a temporary riding light will be exhibited between sunset and sunrise from the works in progress on that shoal. It is expected that the new Lighthouse will be completed about January 1901.

For a period of about one month before the new light is exhibited from Wonga Shoal, the existing Port Adelaide illuminating apparatus will be removed from its present position at the entrance to the River. During its transfer to the Wonga Shoal Tower a Light of the third order, revolving every thirty seconds (as at present), visible for about fifteen (15) miles, will be exhibited from a temporary tower erected on the position now occupied by the Port Adelaide Lighthouse.

Further notices as to the precise dates of exhibition of the Riding Light at Wonga Shoal, the removal of the existing Port Adelaide Light, the exhibition of the temporary light in lieu thereof, and the first exhibition of the permanent light on Wonga Shoal, will be given in due course.

NOTE.—*This affects Admiralty Plans Nos. 1750 and 1752.*

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 15th June 1900.*

APPENDIX TO

The Calcutta Gazette.

WEDNESDAY, JULY 11, 1900.

NOTICES TO MARINERS.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 154.

[First Publication.]

PERSIAN GULF—Busrah bar.

Outer buoy adrift.

Caution.—The Officiating Political Resident in the Persian gulf has given notice, dated 25th June last, that the Commander of the S.S. *Tripoli* has reported that the Busrah r Outer buoy has broken adrift. The buoy has not yet been replaced, and Mariners are cordingly warned.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 7th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 155.

[First Publication.]

CHINA SEA—Formosa.

Kelung harbour—Light exhibited—Fog signal established

The British Admiralty has given notice (No. 306 of 1900) that on and after 1st April 1900, a *fixed* light of the 5th order, elevated 133 feet above high water, and visible in clear weather from a distance of 15 miles, would be exhibited on Banjintai Bi, Kelung harbour entrance

Kelung light shows *white* from the bearing of S. 28° E., through south, to S. 3° W., *red* from S. 3° W. to S. 9° W. (over Shin se), *white* from S. 9° W., through west, to N. 12° W., and obscured in other directions; it is shown from a brick cylindrical tower about 30 feet high, and painted white, and has been placed on the Chart about one cable S 50° W. from the extremity of the point.

Approximate position, lat. 25° 9′ 15″ N., long. 121° 44′ 25″ E.

Also that a fog siren would be established giving, during thick or foggy weather, *two blasts* about *every minute*, thus:—blast, *two seconds;* silent interval, *four seconds;* blast *two seconds;* silent interval, *fifty seconds.*

(*Variation 1° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Formosa island and strait, No. 1968; Pekseu islands to Tung yung, No. 1761; Ke lung harbour, No. 2618: Also, List of Lights, Part VI, 1900, page 134; China Sea Directory, vol. III, 1894, page 269; and Supplement, 1898, relating to that work, page 22.

E. J. Beaumont, *Comdr*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 7th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 156.

[First Publication.]

CHINA SEA—ANNAM SHORE.

Kulao Rai light—Intended exhibition.

WITH reference to Notice to Mariners No. 144, dated the 23rd July 1897, issued from this office, the British Admiralty has given further notice (No. 314 of 1900) that to-day, the 10th, the end of June 1900, it is intended to exhibit experimentally a third order *white* flashing light every *five seconds* (flash, *one-tenth of a second*; eclipse, *four and nine-tenths seconds*) on Kulao Rai, entrance to Tong King gulf.

Kulao Rai light will be elevated 172 feet above high water, and visible in clear weather from a distance of 20 miles from the bearing of about N. 59° E., through north and west, to S. 72° E.

It is shown from a metal pyramidal tower, coloured grey, about 165 feet high, erected about 2 cables S. 60° W. from the north-east point of the island.

Approximate position, lat. 15° 23′ 30″ N., long. 109° 6′ 0″ E.

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—China sea, Nos. 1263, 2661a; Fan rang bay to Tong King gulf, No. 1542; Ki Kik bay, No. 1005: Also, List of Lights, Part VI, 1900, No. 673; and China Sea Directory, vol. II, 1899, page 417.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 7th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 157.

[First Publication.]

PACIFIC OCEAN—THE PHILIPPINE ISLANDS—LUZON, WEST COAST.

Calra island light re-exhibited.

THE British Admiralty has given notice (No. 316 of 1900) that on 10th April 1900, a third order, dioptric, *white flashing* light every *ten seconds* was exhibited on Boi point, San Sebastino island.

San Sebastino light is elevated 243 feet above high water, and visible in clear weather from a distance of 20 miles from the bearing of S. 68° E., through east and north to S. 68° W. It is shown from a stone rectangular tower about 55 feet high, painted white, with the dwelling close to it.

Approximate position, lat. 23° 58′ 30″ S., long. 45° 15′ 20″ W.

(*Variation 10° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—South Atlantic, No. 2202b; Victoria to Sta. Catherina, No. 530: Also, List of Lights, Part VII, 1900, page 20; and South America Pilot, Part I, 1893, page 181.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 7th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 158.

[First Publication.]

JAPAN—NORTHERN STRAITS.

Ice.

THE British Admiralty has given notice (No. 323 of 1900) that information has been received through the Board of Trade that the British S.S. *Ness*, when on a voyage from Portland, Oregon, to Vladivostock, encountered a large quantity of field ice on 18th March 1900, off the coast of Yezo island, in approximately lat. 42° 36′ N., long. 146° 18′ E., and continued meeting ice until in lat. 42° 0′ N., long. 144° 25′ E.

It is also reported that ice in this neighbourhood was met by another steamship in February 1900 when proceeding from Vancouver to Vladivostock.

It is known that ice may be encountered during the winter months in Yezo strait,

Kunashiri channel, and Yetorup strait, but this is the first time it has been reported so far from the shore. This is probably owing to the fact that few ships have hitherto made a passage from the Western ports of North America towards Tsugaru strait in the winter. It is not unlikely that ice may be quite common in this vicinity in the winter.

This Notice affects the China Sea Directory, vol. IV, 1894, pages 603, 629, 630.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 7th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 159.

[First Publication.]

INDIA, WEST COAST—PORT KARWAR APPROACH.

Wreck.

THE British Admiralty has given notice (No. 324 of 1900) that the wreck of a steamship, with masts and funnel visible at high water, lies sunk with Oyster rock lighthouse bearing S. 37° W., distant 1½ miles, and south point of Shimis-guda island S. 77° E.

Approximate position, lat. 14° 50′ 30″ N., long. 74° 3′ 50″ E.

(*Variation Nil in 1900.*)

This Notice affects the following Admiralty Charts:—Cape Ramas to Alvagudda, No. 744; Sadashivgad bay, No. 242: Also, West Coast of Hindustan Pilot, 1898, page 154.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 7th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 160.

[First Publication.]

CHINA SEA—GULF OF SIAM.

Nui Nai point light exhibited.

WITH reference to Notice to Mariners No. 136, dated 9th July 1897, issued by this Office, the British Admiralty has given further notice (No. 325 of 1900) that on 1st May 1900, a *white flashing* light every *five seconds*, elevated 205 feet above high water, and visible in clear weather from a distance of 20 miles, was exhibited on Nui Nai point near Hatien.

It is shown from a tower, surmounting the roof of the dwelling, 23 feet high erected on the point.

Approximate position on Chart No. 2725, lat. 10° 21′ 20″ N, long. 104° 25′ 30″ E.

This Notice affects the following Admiralty Charts:—Gulf of Siam, No. 2414; China Sea, No. 2660a; Bay island to Pulo Obi, No. 2723; Koh Tron, &c, No. 2725: Also, List of Lights, part VI, 1900, No. 650; and China Sea Directory, vol. II, 1899, page 348.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 7th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 161.

[First Publication.]

CHINA SEA—COCHIN CHINA.

Kega islet light exhibited.

WITH reference to Notice to Mariners No. 167, dated 30th August 1897, issued by this office, the British Admiralty has given further notice (No. 326 of 1900) that on 1st

June 1900, a *white fixed* and *flashing* light every *two minutes*, elevated 213 feet above high water, and visible, in clear weather, from a distance of 21 miles, would be exhibited on Kega islet.

It is shown from an octagonal tower of 115 feet high, constructed of light granite.

Approximate position on Chart No. 1261, lat. 10° 41′ 30″ N., long. 108° 0′ 20″ E.

This Notice affects the following Admiralty Charts:—China sea, No. 2660a; Saigon river to Kam ranh bay, No. 1261: Also, List of Lights, part VI, 1900, No. 668a; and China Sea Directory, vol. II, 1899, page 393.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 7th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 162.

[First Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

Karnafully river—Depth of water found in the channels.

THE Port Officer, Chittagong, has given notice that the following depth of water was found in the river channels by soundings taken on the 5th July and reduced to zero:—

	FT.	IN.
Track No. 1—Outer bar—		
Disc in the centre between diamond and mast with white and black casks	12	0
Disc on mast with white and black casks	9	6
Track No. 2—Inner bar—		
Disc on mast with white and black casks	11	6
Disc on diamond	11	0
Disc in the centre between diamond and mast with white and black casks	12	0
Track No. 3—		
Tripod on with cross and ball	20	0
Track No. 4—		
Triangle on with mast with white and black casks ...	22	0
Track No. 5—Guptakhally crossing—		
Tripod on diamond	20	6

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 9th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 149.

[Second Publication.]

INDIA, WEST—BOMBAY COAST.

Removal of certain buoys for the south-west monsoon.

THE Bombay Government has given notice (No. 53 of 1900) that the undermentioned buoys between Alibág and Vengurla were removed from their positions for the south-west monsoon on the dates noted against them:—

Alibág Buoy	24th	May	1900.
Bánkot Buoys	20th	„	„
Anjanvel Buoy	16th	„	„
Ambulgad Reef Buoy (Jaitapur)	21st	„	„
Chaldea Rock Buoy	19th	„	„
Málvan Outer Rock Buoy	20th	„	„
Johnstone Castle Buoy	23rd	„	„
Málvan Harbour Buoys	24th	„	„

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Depar

CALCUTTA, *the 29th June 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 150.

[Second Publication.]

AFRICA, EAST COAST—DELAGOA BAY.

Cockburn channel—Position of pile driver-lights.

WITH reference to Notice to Mariners No. 108, dated the 27th April 1900, issued by this office, the British Admiralty has given further notice (No. 297 of 1900) that information, dated 18th April 1900, has been received from Commander A. E. A. Grant, H.M.S. *Racoon*, that it is not intended to abandon the construction of the lighthouse on the Cockburn shoal, as a pile driving apparatus for constructing the lighthouse has been established about one cable south of Cockburn shoal buoy (black pyramidal), from which a *white fixed* light is exhibited.

As a *white fixed* light (indifferent) is also shown from the Pilot hulk, situated about 3 cables to the northward, mariners are cautioned not to mistake one for the other.

Approximate position, Pilot hulk, lat. 25° 53′ 0″ S., long. 32° 54′ 5″ E.

(*Variation 23° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Tugela river to Delagoa bay, No. 2089; Delagoa bay, No. 644: Also, Africa Pilot, Part III, 1897, page 190.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 29th June 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 151.

[Second Publication.]

NEW ZEALAND, SOUTH—OTAGO HARBOUR.

Beacons, buoys, lights, &c.

THE British Admiralty has given notice (No. 298 of 1900) that the following information, dated 29th March 1900, has been received from Commander R. G. O. Tupper, H.M.S. *Pylades*, respecting the beacons, buoys, and lights, &c., in Otago harbour:—

1. The light (*fixed red*) shown from the beacon at the Pilot station, Taiaroa head, has been discontinued.

   Approximate position, lat. 45° 47′ S., long. 170° 45′ E.

2. A black buoy has been moored to mark the edge of the bank, which has extended off Williams point, with the eastern extreme of Taylor point bearing N. 32° W., distant one-third of a mile, and Acheron head S. 61° W.

   Approximate position, lat 45° 48′ 0″ S., long. 170° 41′ 35″ E.

3. The black buoy on the southern side of the channel near Acheron head is situated about 2 cables farther to the eastward than given on the Chart, or with Acheron head bearing N. 37° W., distant 1¼ cables, and Rocky point S. 53° W.
4. The light ("F. 15 feet") on the edge of the bank marked "Sand, mud, and shells" is placed on the Chart about 3 cables to the eastward of its proper position; it is situated with Acheron head bearing N. 31° E., distant 3 cables, and north extreme of Deborah bay N. 61° W.
5. A powder magazine, which is conspicuous, stands on piles erected on "Sand, mud, and shells" bank with Rocky point bearing S. 87° W., distant 4¾ cables, and Bowen pier S. 32° W.
6. A black beacon marks the eastern side of the channel off port Chalmers, situated with Bowen pier head bearing S. 71° W., distant 2½ cables, and Rocky point N. 32° W.
7. The two beacons situated 11 and 12 cables respectively S. 26° E. of Rocky point no longer exist.

(*Variation 16° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—Otago harbour, No. 2411: Also, List of Lights, Part VI, 1900, Nos. 1484, 1486; New Zealand Pilot, 1891, page 306; and Hydrographic Notice No. 2 of 1895, relating to that work, page 11.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 29th June 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 152.

[Second Publication.]

JAPAN—YEZO.

Yesansaki light—Character altered.

THE British Admiralty has given notice (No. 302 of 1900) that on and after 10th April 1900, the colour of the red flash shown from Yesansaki lighthouse would be altered to *white*, but that in other respects the light would remain unchanged. The character of the light will, therefore, now be *white flashing* every *fifteen seconds*.

Approximate position, lat. 41° 49′ N., long. 141° 11′ E.

This Notice affects the following Admiralty Charts:—North-west Pacific ocean, No. 2459; Kuril islands, No. 2405; Nipon island, No. 2347; Yezo island, No. 452; Tsugaru strait, No 2441: Also, List of Lights, Part VI, 1900, No. 934; and China Sea Directory, vol. IV 1894, page 573.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 29th June 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 153.

[Second Publication.]

EASTERN ARCHIPELEGO—SUMATRA, WEST COAST.

Banjak islands—Buoys altered.

WITH reference to Notice to Mariners No. 55, dated 17th February last, issued by this office, the British Admiralty has given further notice (No. 303 of 1900) that the black nun buoy surmounted by a ball, which was moored on the south-western side of Arumpanjang reef, has been moved to a position off the extremity of the spit extending south-westward from Singkel point, and moored in a depth of 12 fathoms, with southern extreme of Singkel point bearing N. 77° E., distant 5 miles, and Tanjong Palikala N. 12° W.

Approximate position on Chart No. 855, lat. 2° 14′ 30″ N., long. 97° 40′ 45″ E.

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Acheh head to Tyingkok bay, No. 2760; Banjak islands on sheet No. 855: Also, China Sea Directory, vol. I, 1896, page 282.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 29th June 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 145.

[Third Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

Dolphin shoal buoy adrift.

CAUTION.—A telegraphic communication has been received from the Port Officer, Chittagong, stating that Dolphin shoal buoy has gone adrift. Commanders of mail steamers are particularly warned.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 23rd June 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 146.

[Third Publication.]

EASTERN ARCHIPELAGO—STRAIT OF MAKASSAR.

Particulars of Sangata and other reefs.

THE British Admiralty has given notice (No. 283 of 1900) of the following particulars respecting Sangata, and other reefs in the vicinity, off the south-east coast of Borneo :—

1. Sangata reef, which is about 1¾ miles long and three-quarters of a mile broad, consists of two coral heads with depths of 6½ to 9 fathoms between them, and surrounded by depths of over 100 fathoms; the least depth on the Northern head is 1½ fathoms, the Southern head partially dries.

   Approximate position of Southern head, lat. 0° 19′ 35″ N., long. 117° 42′ 30″ E.

   Tide ripples and discoloured water mark this reef.

2. The following coral reefs have been discovered :—

   (*a*) A reef which dries, oval shaped, 500 yards long, N.E. and S.W., 300 yards broad, and surrounded by depths of 11 fathoms, in approximately lat. 0° 13′ 20″ S., long. 117° 29′ 25″ E.

   (*b*) A reef with a depth of 1 fathom over it, circular in shape, of about one cable in diameter, and surrounded by depths of 14 fathoms, in approximately lat. 0° 12′ 55″ S., long. 117° 31′ 10″ E.

   (*c*) A reef with a depth of 1 fathom over it, circular in shape, of about one cable in diameter, and surrounded by depths of 20 fathoms, in approximately lat. 0° 11′ 25″ S., long. 117° 33′ 55″ E.

   About 1,100 yards N. 41° W. of the above is a reef with a depth over it of 1 fathom.

   The above reefs are not easily distinguished.

   (*d*) A reef which dries, about 500 yards long, North and South, and 300 yards broad, surrounded by depths of 13 fathoms, in approximately lat. 0° 1′ 0″ N., long. 117° 32′ 30″ E.

   About 2½ miles N. 20° W. of the above is a reef with a depth of 1 fathom over it, 100 yards in extent, and surrounded by depths of 10 to 11 fathoms.

   (*e*) A reef with a depth of 3 feet over it, 400 yards long, N.N.E. and S.S.W., 300 yards broad, and surrounded by depths of 15 to 20 fathoms in approximately lat. 0° 15′ 10″ N., long. 117° 37′ 20″ E.

   Seven cables southward of the above is a reef with a depth of 9 fathoms over it.

   (*f*) A reef which dries, about 500 yards long, East and West, 300 yards broad, and surrounded by depths of 14 to 16 fathoms, in approximately lat. 0° 17′ 55″ N., long. 117° 34′ 25″ E.

   About 1,700 yards S. 80° W. from the above is a reef with a depth of 3 feet over it and about 200 yards in extent.

   (*g*) A reef with a depth of 4 fathoms over it, about 300 yards in extent, in approximately lat. 0° 22′ 30″ N., long. 117° 40′ 40″ E.

   (*h*) A coral reef with a depth of 3 feet over it, circular in form, with a diameter of about 200 yards, in approximately lat. 0° 29′ 50″ N., long. 117° 44′ 30″ E.

   (*i*) A reef with a depth of 1¾ fathoms over it, circular in form, with a diameter of about 200 yards, in approximately lat. 0° 31′ 5″ N., long. 117° 45′ 0″ E.

   (*j*) A reef with a depth of 3 feet over it, about 300 yards long, North and South, and 200 yards broad, in approximately lat. 0° 31′ 55″ N., long. 117° 46′ 20″ E.

   (*k*) A reef with a depth of 3 feet over it, circular in form, with a diameter of about 200 yards, in approximately lat. 0° 36′ 30″ N., long 117° 49′ 55″ E.

   (*l*) A reef with a depth of 1 fathom over it, about 600 yards long, N.E. and S.W., and 200 yards broad, in approximately lat. 0° 42′ 25″ N., long. 117° 56′ 35″ E.

   (*m*) A reef which dries in patches, about 2¾ miles long, East and West, one mile broad, and surrounded by depths of 17 to 28 fathoms.

   Approximate position of South-Western corner, lat. 0° 44′ 40″ N., long. 117° 57′ 20″ E.

   About 1,100 yards to the southward of the above position is a reef with the least depth of 6 fathoms over it.

The reefs mentioned from (*d*) to (*m*) are marked by discoloured water, though sometimes only so seen at a short distance.

The following reefs do not exist and have been erased from the Charts:—

Kurau, in approximately lat. 0° 47′ N., long. 117° 51⅔ E.

A reef, in approximately lat. 0° 28′ N., long. 117° 40′ E.

Bungalen reef has been unsuccessfully searched for, and has therefore been marked E.D. on the Chart.

Approximate position, lat. 0° 33⅓′ N., long. 117° 57⅓′ E.

The depths given are reduced to low-water spring tides.

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—China sea, No. 2660b; Eastern Archipelago, No. 941b; strait of Makassar, No. 2636: Also, Eastern Archipelago, part II, 1893, pages 317, 318; and Supplement, 1899, relating to that work, page 39.

A new edition of 2636 will shortly be issued.

E. J. BEAUMOUNT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 23rd June 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 147.

[Third Publication.]

AUSTRALIA, SOUTH—SPENCER GULF.

Cockle spit eastern buoy—Position altered.

THE British Admiralty has given notice (No. 285 of 1900) that information, dated 9th April 1900, has been received from the Government of South Australia, stating that in consequence of the extension to the eastward of the Cockle Spit shoal, Germein bay, the buoy (red, with staff and ball) marking the east end of the shoal has been moved about 3 cables to the eastward, and is now moored with Germein jetty lighthouse, bearing N. 24° E., distant 17½ cables, and Cockle Spit beacon N. 80° W.

Approximate position, lat. 33° 3′ 45″ S., long. 137° 58′ 30″ E.

The depths westward of this buoy are under 14 feet.

(*Variation 5° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—St. Vincent and Spencer gulfs, No. 2389b; Wood point to Lowly point, No. 403: Also, Australia Directory, vol. I, 1897, page 254.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 23rd June 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 148.

[Third Publication.]

JAPAN—SIMONOSEKI STRAIT.

Shirasu light—Character altered.

THE British Admiralty has given notice (No. 296 of 1900) that on 10th April 1900 the character of Shirasu light, at the western entrance to Simonoseki strait, would be altered from red fixed to an unwatched *white flashing* light *every ten seconds*, with a light power of 4,500 candles.

Shirasu light is elevated 50 feet above high water, and visible in clear weather from a distance of 12 miles; it is shown from a cylindrical tower, about 50 feet high, painted in black and white horizontal bands, the upper part being iron, the lower stone.

Approximate position, lat 33° 59′ N., long. 130° 47′ E.

This Notice affects the following Admiralty Charts:—Kiusiu, No. 358; Hirado no Seto to Simonoseki strait, No. 127; Simonoseki strait, No. 532: Also, List of Lights, part VI, 1900, No. 859; and China Sea Directory, vol. IV, 1894, page 439.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 23rd June 1900.*

APPENDIX TO

The Calcutta Gazette.

WEDNESDAY, JULY 18, 1900.

NOTICES TO MARINERS.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 163.

[First Publication.]

AUSTRALIA—Approach to Port Darwin.

Spherical buoy replaced on Marsh shoal.

With reference to Notice to Mariners No. 125, dated 16th June 1899, issued by this office, the President, Marine Board, Port Adelaide, has given further notice (No. 3 of 1900) that the Spherical buoy painted red and white (horizontal stripes) has been replaced in its former position on the Marsh shoal, and that the temporary buoy has been removed.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Calcutta, *the 10th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 164.

[First Publication.]

AUSTRALIA—Port Hinchinbrook.

Dungeness.—Change in colour of beacons.

The Port Master, Brisbane, has given notice (No. 9 of 1900) that on and after 1st July 1900, the three beacons marking the bank off old Dungeness, and to the westward of Lucinda Point, will be painted Red, instead of Black as hitherto.

Charts affected—Nos. 1254 and 2349; and Australia Directory, Vol. II.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Calcutta, *the 14th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 165.

[First Publication.]

AUSTRALIA—Moreton Bay, North Channel.

Alteration in sector of yellow patch light, and new position of No. 5 buoy.

The Port Master, Brisbane, has given notice (No. 10 of 1900) that the southern edge of the White Sector which shows towards the North Channel from the Yellow Light has been extended three degrees further south, and the bearing of its southern edge is now S. 83° E.

Also, that No. 5 Black Buoy has been moved two cables to the S.W. by W., and now marks a patch carrying 17 feet 6 inches over it at low-water spring tide.

Charts affected—Nos. 1670A and 1029; Australia Directory, Vol. II.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Calcutta, *the 14th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 166.

[First Publication.]

BAY OF BENGAL—BURMA COAST.

Rangoon river.—Leading lights.

WITH reference to this Office No. 142, dated 9th ultimo, the following Notice to Mariners (No. 56 of 1900) issued by the Bombay Government is republished.

Information dated 15th June 1900 has been received from the Deputy Conservator of the Port of Rangoon, that two leading lights of a similar character as notified in Bombay Government Notice to Mariners No. 49, dated 30th May 1900, have been exhibited below Syriam Point in Rangoon River.

The above lights are intended as a guide to vessels crossing the Hastings Shoal by night.

From Syriam Point the front light is S. 10° E., distant 6½ cables, and the line of bearing is S. 71° E. and is for all practical purposes the same as No. 2 track.

This Notice affects the following Admiralty Charts:—Rangoon River and Approaches No. 833: Also Bay of Bengal Pilot, 1892, 2nd edition, page 329, and List of Lights, Part VI, 1900, page 60.

E J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 14th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 167.

[First Publication.]

PACIFIC OCEAN—PHILIPPINE ISLANDS—LUZON.

Iba—Shoal in approach.

THE British Admiralty has given notice (No. 335 of 1900) of the existence of a shoal with an estimated depth of 3½ fathoms over it, about 4 miles from the shore in the approach to Iba, situated with Iba mount bearing N. 72° E., distant about 13½ miles, and High peak N. 45° E.

Approximate position, lat. 15° 18′ N., long. 119° 54½′ E.

Approaching Iba on a N. 50° E. course the water shoaled suddenly from 19 to 9 fathoms, after which the bottom was seen. (*Notice No. 335 of 1900.*)

(*Variation Nil in 1900.*)

This Notice affects the following Admiralty Charts:—Luzon island, No. 2454; China sea, No. 2661b: Also, China Sea Directory, Vol. II., 1899, page 316; and Eastern Archipelago, part I., 1890, page 49.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 14th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 168.

[First Publication.]

CHINA SEA—BALABAC STRAIT.

Lumbukan—Bank to the southward.

THE British Admiralty has given notice (No. 336 of 1900) of the existence of a bank about three-quarters of a mile long, east and west, and depths over it of from 7½ to 10 fathoms, to the southward of Lumbukan; its centre is situated with the eastern extreme of Lumbukan bearing N. 22° E., distant 3 miles, and cape Melville N. 83° W. (*Notice No. 336 of 1900.*)

Approximate position, lat. 7° 47′ N., long. 117° 12½′ E.

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—China sea, No. 2660b; Palawan island, No. 967; Balabac strait, No. 948: Also, China Sea Directory, Vol. II., 1899, page 201.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 14th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 169.

[First Publication.]

JAPAN—Gulf of Tokyo.

Kawa (Haneda) Saki light—Character altered.

The British Admiralty has given notice (No. 338 of 1900) that on 20th April 1900, the light exhibited at Kawa Saki was altered from green fixed to *white occulting* every *thirty seconds* (light, *twenty-three seconds;* eclipse, *seven seconds*); the new light is of the 5th order, but in other respects it remains unchanged. (*Notice No. 338 of 1900.*)

Appoximate position, lat. 35° 32′ N., long. 139° 47′ E.

This Notice affects the following Admiralty Charts:—Kii channel to Yedo, No. 996; gulf of Tokyo, No. 2657: Also, List of Lights, part VI., 1900, No. 913; China Sea Directory, Vol. IV., 1894, page 309; and Supplement, 1898, relating to that work, page 16.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 14th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 170.

[First Publication.]

JAPAN—Simonoseki strait.

Daibahana—Light exhibited.

The British Admiralty has given notice (No. 341 of 1900) that on 20th April 1900, an unwatched *fixed* light, elevated 76 feet above the sea, and visible in clear weather, from a distance of 6 miles, was exhibited on Daibahana, Takenoko sima.

Daibahana light shows the following sectors:—*White* from the bearing of N. 24° W. to N. 21° W., *red* from N. 21° W., through north, to N. 61° E., *white* from N. 61° E., through east and south, to S. 47° W., *red* from S. 47° W. to S. 73° W., *white* from S. 73° W. to S. 85° W., and obscured in other directions.

It is shown from a brick cylindrical tower, 30 feet high, and painted white, erected on the extremity of the point. (*Notice No. 341 of 1900.*)

Approximate position, lat. 33° 57′ N., long 130° 52′ E.

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Hirado no Seto to Simonoseki strait, No. 127; Simonoseki strait, No. 532: Also, List of Lights, part VI., 1900, No. 853a; and China Sea Directory, Vol. IV., 1894, page 432.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 14th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 171.

[First Publication.]

JAPAN—Liu Kiu islands.

Naha—Light exhibited.

The British Admiralty has given notice (No. 342 of 1900) that on 20th April 1900, an unwatched *fixed* light, elevated 30 feet above high water, and visible, in clear weather, from a distance of 6 miles, was exhibited from fort Miyegushiku, Naha harbour.

Naha light shows the following sectors:—*red* from the bearing of East to S. 57° E., *white* from S. 57° E. to S. 52° E., *red* from S. 52° E., through south, to S. 13° W., obscured elsewhere.

It is shown from a brick rectangular tower, 12 feet high, and painted white, erected in fort Miyegushiku. (*Notice No. 342 of 1900.*)

Approximate position, lat. 26° 12′ 25″ N., long. 127° 40′ 35″ E.

(*Variation 2° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Liu Kiu islands, No. 2416; Naha roads, No. 990: Also, List of Lights, part VI., 1900, No. 818a; and China Sea Directory. Vol. IV., 1894, page 219.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 14th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 172.

[First Publication.]

JAPAN, INLAND SEA—KURU SIMA NO SETO.

Nagato sima—Light exhibited.

THE British Admiralty has given notice (No. 344 of 1900) that on 20th April 1900, a *white fixed* light, elevated 126 feet above high water, and visible, in clear weather, from a distance of 6 miles, between the bearings of N. 31° W., through north and east, and S. 86° W., was exhibited on Nagato sima.

It is shown from a stone cylindrical tower, 25 feet high, and painted white, erected on the north-west point of the island. (*Notice No. 344 of 1900.*)

Approximate position, lat. 34° 7′ 5″ N., long. 133° 0′ 0″ E.

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Misima Nada and Bingo Nada channels, No. 132; Kuru sima no Seto, No. 131: Also, List of Lights, part VI., 1900, page 144; China Sea Directory, Vol. IV., 1894, page 395; and Supplement, 1898, relating to that work, page 20.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 14th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 173.

[First Publication.]

JAPAN, INLAND SEA—IYO NADA.

Koiso reef—Position and particulars.

THE British Admiralty has given notice (No. 346 of 1900) of the existence of a reef named Koiso, which dries 2 feet at low-water springs and has 8 to 23 fathoms around it, on the south coast of Yashiro sima, situated with the south-east point of Tatsu sima, bearing S. 44° W., distant 5¼ cables, and Isaki hana S. 24° E. (*Notice No. 346 of 1900.*)

Approximate position, lat. 33° 52′ 20″ N., long. 132° 19′ 0″ E.

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Inland sea, No. 2875; Also, China Sea Directory, Vol. IV., 1894, page 425.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 14th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 174.

[First Publication.]

PERSIAN GULF—BUSRAH BAR.

A small Cask buoy in place of the lost Outer buoy.

WITH reference to Notice to Mariners No. 154, dated 7th July, issued by this office, relative to the disappearance of the Outer buoy of the Busrah river bar, the Officiating Political Resident in the Persian gulf has given further notice, stating that a small Cask buoy with a small black basket and white flag has been placed in a position approximately five cables S. W. of the old one; and that it is visible about 3 miles in clear weather.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 14th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 154.

[Second Publication.]

PERSIAN GULF—BUSRAH BAR.

Outer buoy adrift.

CAUTION.—The Officiating Political Resident in the Persian gulf has given notice, dated the 25th June last, that the Commander of the S.S. *Tripoli* has reported that the Busrah bar Outer buoy has broken adrift. The buoy has not yet been replaced, and Mariners are accordingly warned.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 7th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 155.

[Second Publication.]

CHINA SEA—FORMOSA.

Kelung harbour—Light exhibited—Fog signal established.

THE British Admiralty has given notice (No. 306 of 1900) that on and after 1st April 1900, a *fixed* light of the 5th order, elevated 133 feet above high water, and visible in clear weather from a distance of 15 miles, would be exhibited on Banjintai Bi, Kelung harbour entrance.

Kelung light shows *white* from the bearing of S. 28° E., through south, to S. 3° W., *red* from S. 3° W. to S. 9° W. (over Shin se), *white* from S. 9° W., through west, to N. 12° W., and obscured in other directions; it is shown from a brick cylindrical tower about 30 feet high, and painted white, and has been placed on the Chart about one cable S. 50° W. from the extremity of the point.

Approximate position, lat. 25° 9′ 15″ N., long. 121° 44′ 25″ E.

Also that a fog siren would be established giving, during thick or foggy weather, *two blasts* about *every minute*, thus:—blast, *two seconds;* silent interval, *four seconds;* blast *two seconds;* silent interval, *fifty seconds.*

(*Variation 1° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Formosa island and strait, No. 1968; Ockseu islands to Tung yung, No. 1761; Ke lung harbour, No. 2618: Also, List of Lights, Part VI, 1900, page 134; China Sea Directory, vol. III, 1894, page 269; and Supplement, 1898, relating to that work, page 22.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 7th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 156.

(Second Publication.)

CHINA SEA—ANNAM SHORE.

Kulao Rai light—Intended exhibition.

WITH reference to Notice to Mariners No. 144, dated the 23rd July 1897, issued by this office, the British Admiralty has given further notice (No. 314 of 1900) that towards the end of June 1900, it is intended to exhibit experimentally a third order *white flashing* light every *five seconds* (flash, *one-tenth of a second*; eclipse, *four and nine-tenths seconds*) on Kulao Rai, entrance to Tong King gulf.

Kulao Rai light will be elevated 172 feet above high water, and visible in clear weather from a distance of 20 miles from the bearing of about N. 59° E., through north and west, to S. 72° E.

It is shown from a metal pyramidal tower, coloured grey, about 165 feet high, erected about 2 cables S. 60° W. from the north-east point of the island.

Approximate position, lat. 15° 23′ 30″ N., long. 109° 6′ 0″ E.

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—China sea, Nos. 1263, 2661a; Fan rang bay to Tong King gulf, No. 1342; Ki Kik bay, No. 1005; Also, List of Lights, Part VI, 1900, No. 673; and China Sea Directory, vol. II, 1899, page 417.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 7th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 157.

[Second Publication.]

PACIFIC OCEAN—THE PHILIPPINE ISLANDS—LUZON, WEST COAST.

Calra island light re-exhibited.

THE British Admiralty has given notice (No. 316 of 1900) that on 10th April 1900, a third order, dioptric, *white flashing* light every *ten seconds* was exhibited on Boi point, San Sebastiao island.

San Sebastiao light is elevated 243 feet above high water, and visible in clear weather from a distance of 20 miles from the bearing of S. 68° E., through east and north to S. 68° W. It is shown from a stone rectangular tower about 55 feet high, painted white, with the dwelling close to it.

Approximate position, lat. 23° 58′ 30″ S., long. 45° 15′ 20″ W.

(*Variation 10° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—South Atlantic, No. 2202b; Victoria to Sta. Catherina, No. 630; Also, List of Lights, Part VII, 1900, page 20; and South America Pilot, Part I, 1893, page 181.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 7th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 158.

[Second Publication.]

JAPAN—NORTHERN STRAITS.

Ice.

THE British Admiralty has given notice (No. 323 of 1900) that information has been received through the Board of Trade that the British S.S. *Ness*, when on a voyage from Portland, Oregon, to Vladivostock, encountered a large quantity of field ice on 18th March 1900, off the coast of Yezo island, in approximately lat. 42° 36′ N., long. 146° 18′ E., and continued meeting ice until in lat. 42° 0′ N., long. 144° 25′ E.

It is also reported that ice in this neighbourhood was met by another steamship in February 1900 when proceeding from Vancouver to Vladivostock.

It is known that ice may be encountered during the winter months in Yezo strait, Kunashiri channel, and Yetorup strait, but this is the first time it has been reported so far from the shore. This is probably owing to the fact that few ships have hitherto made a passage from the Western ports of North America towards Tsugaru strait in the winter. It is not unlikely that ice may be quite common in this vicinity in the winter.

This Notice affects the China Sea Directory, vol. IV, 1894, pages 603, 629, 630.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 7th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 159.

[Second Publication.]

INDIA, WEST COAST—PORT KARWAR APPROACH.

Wreck.

THE British Admiralty has given notice (No. 324 of 1900) that the wreck of a steamship, with masts and funnel visible at high water, lies sunk with Oyster rock lighthouse bearing S. 37° W., distant 1½ miles, and south point of Shimis-guda island S. 77° E.

Approximate position, lat. 14° 50′ 30″ N., long. 74° 3′ 50″ E.

(*Variation Nil in 1900.*)

This Notice affects the following Admiralty Charts:—Cape Ramas to Alvagudda, No. 744; Sadashivgad bay, No. 242: Also, West Coast of Hindustan Pilot, 1898, page 154.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 7th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 160.

[Second Publication.]

CHINA SEA—GULF OF SIAM.

Nui Nai point light exhibited.

WITH reference to Notice to Mariners No. 136, dated 9th July 1897, issued by this Office, the British Admiralty has given further notice (No. 325 of 1900) that on 1st May 1900, a *white flashing* light every *five seconds*, elevated 205 feet above high water, and visible in clear weather from a distance of 20 miles, was exhibited on Nui Nai point near Hatien.

It is shown from a tower, surmounting the roof of the dwelling, 23 feet high erected on the point.

Approximate position on Chart No. 2725, lat. 10° 21′ 20″ N., long. 104° 25′ 30″ E.

This Notice affects the following Admiralty Charts:—Gulf of Siam, No. 2414; China Sea, No. 2660a; Bay island to Pulo Obi, No. 2723; Koh Tron, &c., No. 2725: Also, List of Lights, part VI, 1900, No. 650; and China Sea Directory, vol. II, 1899, page 348.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 7th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 161.

[Second Publication.]

CHINA SEA—COCHIN CHINA.

Kega islet light exhibited.

WITH reference to Notice to Mariners No. 167, dated 30th August 1897, issued by this office, the British Admiralty has given further notice (No. 326 of 1900) that on 1st June 1900, a *white fixed* and *flashing* light every *two minutes*, elevated 213 feet above high

water, and visible, in clear weather, from a distance of 21 miles, would be exhibited on Kega islet.

It is shown from an octagonal tower of 115 feet high, constructed of light granite.

Approximate position on Chart No. 1261, lat. 10° 41′ 30″ N., long. 108° 0′ 20″ E.

This Notice affects the following Admiralty Charts:—China sea, No. 2660a; Saigon river to Kam ranh bay, No. 1261: Also, List of Lights, part VI, 1900, No. 668a; and China Sea Directory, vol. II, 1899, page 393.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 7th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 162.

[Second Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

Kurnafully river—Depth of water found in the channels.

THE Port Officer, Chittagong, has given notice that the following depth of water was found in the river channels by soundings taken on the 5th July and reduced to zero:—

	Ft.	In.
Track No. 1—Outer bar—		
Disc in the centre between diamond and mast with white and black casks	12	0
Disc on mast with white and black casks	9	6
Track No. 2—Inner bar—		
Disc on mast with white and black casks	11	6
Disc on diamond	11	0
Disc in the centre between diamond and mast with white and black casks	12	0
Track No. 3—		
Tripod on with cross and ball	20	0
Track No. 4—		
Triangle on with mast with white and black casks ...	22	0
Track No. 5—Guptakhally crossing—		
Tripod on diamond	20	6

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 9th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 149.

[Third Publication.]

INDIA, WEST—BOMBAY COAST.

Removal of certain buoys for the south-west monsoon.

THE Bombay Government has given notice (No. 53 of 1900) that the undermentioned buoys between Alibág and Vengurla were removed from their positions for the south-west monsoon on the dates noted against them:—

Alibág Buoy	24th	May 1900.
Bánkot Buoys	20th	„ „
Anjanvel Buoy	16th	„ „
Ambulgad Reef Buoy (Jaitapur)	21st	„ „
Chaldea Rock Buoy	19th	„ „
Málvan Outer Rock Buoy	20th	„ „
Johnstone Castle Buoy	23rd	„ „
Málvan Harbour Buoys	24th	„ „

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 29th June 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 150.

[Third Publication.]

AFRICA, EAST COAST—DELAGOA BAY.

Cockburn channel—Position of pile driver-lights.

WITH reference to Notice to Mariners No. 108, dated the 27th April 1900, issued by this office, the British Admiralty has given further notice (No. 297 of 1900) that information, dated 18th April 1900, has been received from Commander A. E. A. Grant, H.M.S. *Racoon*, that it is not intended to abandon the construction of the lighthouse on the Cockburn shoal, as a pile driving apparatus for constructing the lighthouse has been established about one cable south of Cockburn shoal buoy (black pyramidal), from which a *white fixed* light is exhibited.

As a *white fixed* light (indifferent) is also shown from the Pilot hulk, situated about 3 cables to the northward, mariners are cautioned not to mistake one for the other.

Approximate position, Pilot hulk, lat. 25° 53′ 0″ S., long. 32° 54′ 5″ E.

(*Variation 23° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Tugela river to Delagoa bay, No. 2089; Delagoa bay, No. 644: Also, Africa Pilot, Part III, 1897, page 190.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 29th June 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 151.

[Third Publication.]

NEW ZEALAND, SOUTH—OTAGO HARBOUR.

Beacons, buoys, lights, &c.

THE British Admiralty has given notice (No. 298 of 1900) that the following information, dated 29th March 1900, has been received from Commander R. G. O. Tupper, H.M.S. *Pylades*, respecting the beacons, buoys, and lights, &c., in Otago harbour:—

1. The light (*fixed red*) shown from the beacon at the Pilot station, Taiaroa head, has been discontinued.

   Approximate position, lat. 45° 47′ S., long. 170° 45′ E.

2. A black buoy has been moored to mark the edge of the bank, which has extended off Williams point, with the eastern extreme of Taylor point bearing N. 52° W., distant one-third of a mile, and Acheron head S. 61° W.

   Approximate position, lat 45° 48′ 0″ S., long. 170° 41′ 35″ E.

3. The black buoy on the southern side of the channel near Acheron head is situated about 2 cables farther to the eastward than given on the Chart, or with Acheron head bearing N. 37° W., distant 1¼ cables, and Rocky point S. 53° W.
4. The light ("F. 15 feet") on the edge of the bank marked "Sand, mud, and shells" is placed on the Chart about 3 cables to the eastward of its proper position; it is situated with Acheron head bearing N. 31° E., distant 3 cables, and north extreme of Deborah bay N. 61° W.
5. A powder magazine, which is conspicuous, stands on piles erected on "Sand, mud, and shells" bank with Rocky point bearing S. 87° W., distant 4¾ cables, and Bowen pier S. 32° W.
6. A black beacon marks the eastern side of the channel off port Chalmers, situated with Bowen pier head bearing S. 71° W., distant 2½ cables, and Rocky point N. 32° W.
7. The two beacons situated 11 and 12 cables respectively S. 26° E. of Rocky point no longer exist.

(*Variation 16° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—Otago harbour, No. 2411: Also, List of Lights, Part VI, 1900, Nos. 1484, 1486; New Zealand Pilot, 1891, page 306; and Hydrographic Notice No. 2 of 1895, relating to that work, page 11.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 29th June 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 152.

[Third Publication.]

JAPAN—YEZO.

Yesansaki light—Character altered.

THE British Admiralty has given notice (No. 302 of 1900) that on and after 10th April 1900, the colour of the red flash shown from Yesansaki lighthouse would be altered to *white*, but that in other respects the light would remain unchanged. The character of the light will, therefore, now be *white flashing* every *fifteen seconds*.

Approximate position, lat. 41° 49′ N., long. 141° 11′ E.

This Notice affects the following Admiralty Charts:—North-west Pacific ocean, No. 2459; Kuril islands, No. 2405; Nipon island, No. 2347; Yezo island, No. 452; Tsugaru strait, No 2441: Also, List of Lights, Part VI, 1900, No. 934; and China Sea Directory, vol. IV 1894, page 573.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 29th June 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 153.

[Third Pulication.]

EASTERN ARCHIPELEGO—SUMATRA, WEST COAST.

Banjak islands—Buoys altered.

WITH reference to Notice to Mariners No. 55, dated 17th February last, issued by this office, the British Admiralty has given further notice (No. 303 of 1900) that the black nun buoy surmounted by a ball, which was moored on the south-western side of Arumpanjang reef, has been moved to a position off the extremity of the spit extending south-westward from Singkel point, and moored in a depth of 12 fathoms, with southern extreme of Singkel point bearing N. 77° E., distant 5 miles, and Tanjong Palikala N. 12° W.

Approximate position on Chart No. 855, lat. 2° 14′ 30″ N., long. 97° 40′ 45″ E.

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Acheh head to Tyingkok bay, No. 2760; Banjak islands on sheet No. 855: Also, China Sea Directory, vol. I, 1896, page 282.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 29th June 1900.*

APPENDIX TO

The Calcutta Gazette.

WEDNESDAY, JULY 25, 1900.

NOTICES TO MARINERS

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No 175.

[First Publication.]

AUSTRALIA, NORTH COAST—PORT DARWIN.

A cheese-shaped buoy placed within Quarantine Ground.

THE President, Marine Board. Port Adelaide, has given notice (No. 4 of 1900) that a Cheese-shaped Buoy, painted black, has been placed on the Shoal Patch of Rocks within the boundaries of the Quarantine Ground, Port Darwin, on the following bearings:—North Shell Island, N. 78° 45′, E. magnetic; Middle Hill, S. 14° 30′, W. magnetic, lat. 12° 29′ 50″ S., long. 130° 52′ 30″ E.

Vessels ordered into Quarantine should anchor about four cables to the north and west of the above-mentioned Buoy.

This notice affects Admiralty Chart No. 613, and Plan No. 925.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 21st July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 176.

[First Publication.]

PERSIAN GULF—NABIYU FARUR.

Shoal Sounding.

THE following Notice to Mariners issued by the Bombay Government is republished:—

Information has been received from Lieutenant Beauchamp, Commanding R. I. M. S. *Lawrence*, that a sounding of 8 fms. was obtained 1¼ miles S.S.W. of Nabiyu Farur, with the western extremes of the island bearing N. 7° E. and the eastern N. 43° E.

Approximate position lat. 26° 06′ N., long. 54° 26′ E.

As it does not appear from Lieutenant Beauchamp's report that any detailed examination was made of the locality where this sounding was obtained, it is possible shoaler water may exist.

All bearings are magnetic. Variation 0° 10′ E. in 1900.

This Notice affects the following Admiralty Chart:—Persian Gulf, No. 2837 A., and Persian Gulf Pilot, 4th edition, 1898, page 236.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 21st July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 177.

[First Publication.]

AFRICA, SOUTH-EAST COAST—DELAGOA BAY.

Elephant island—Alterations in Gibbon point and beacon, &c.

THE British Admiralty has given notice (No. 350 of 1900) that information, dated 25th April 1900, has been received from Captain W. B. Fisher, H.M.S. *Magicienne* that the following changes have taken place in the configuration of Elephant Island affecting the position of Gibbon point and beacon :—

a. Gibbon point has extended to the westward, and the small white beacon thereon is now situated about 100 yards eastward of the extremity of this extension, or S. 25° E., 2 cables from the observation spot.

Approximate position, lat. 25° 58′ 10″ S., long. 32° 54′ 20″ E.

b. A shoal, with depths of from 2¼ to 3 fathoms over it, extends to the northward from Gibbon point about three-quarters of a mile. Its northern extremity is situated with Gibbon point beacon (new position) bearing S 3° E., distant 8 cables; from discolouration of the water this shoal would now appear to form part of the Cockburn shoal.

CAUTION.—Considerable changes appear to have taken place in this vicinity; the Chart should therefore be used with caution, and the leading marks into port Melville given in Africa Pilot, part III, page 204, are no longer available. (*Notice No. 350 of 1900.*)

Variation 23° Westerly in 1900.

This Notice affects the following Admiralty Charts:—Delagoa bay, No. 644; port Melville, No. 645: Also, Africa Pilot, part III, 1897, pages 203, 204.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 23rd July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 178.

[First Publication.]

AFRICA EAST COAST—GULF OF ADEN.

Zeila roadstead—Buoy replaced.

WITH reference to Notice to Mariners No. 70, dated 12th March last, issued by this office, the British Admiralty has given further notice No. 352 of 1900, that the Gull shoal buoy (black *conical*, surmounted by a staff and two cages placed vertically) has been replaced; it is moored in 5¼ fathoms, low-water springs, with Zeila Consulate bearing S. 66° W., distant 9$\frac{4}{10}$ miles, and Aibat beacon N. 56° W. (*Notice No. 352 of 1900.*)

Approximate position, lat. 11° 25′ 20″ N., long. 43° 36′ 50″ E.

This Notice affects the following Admiralty Chart:—Zeila roadstead, No. 919: Also, Red Sea and Gulf of Aden Pilot, 1892, pages 404-405.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 23rd July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 179.

[First Publication.]

PACIFIC OCEAN, SOUTH—TAHITI.

Papiete—Quarantine Regulations.

THE British Admiralty has given notice (No. 356 of 1900) that until further notice, vessels entering the harbour of Papiete at night must anchor at the Quarantine station, and wait for daylight to obtain pratique. (*Notice No. 356 of 1900.*)

Approximate position, lat. 17° 32′ S., long. 149° 35′ W.

This Notice affects the following Admiralty Chart :—Popiete pass to Papenu pass, No. 1158; Also Pacific Islands, Vol. II., 1891, page 301.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 23rd July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 180.

[First Publication.]

PACIFIC OCEAN, SOUTH—SOLOMON ISLANDS, YSABEL ISLANDS.

Cape Prieto—Shoal reported—Sand cay above water.

THE British Admiralty has given notice (No. 357 of 1900) that a coral patch of very small extent, with apparently a depth over it of 3 fathoms, is reported to exist about one mile to the south-eastward of cape Prieto.

Also, that the sand cay situated about 1½ miles northward of cape Prieto is now covered with bushes and low trees. (*Notice No. 357 of 1900.*)

Approximate position, lat. 8° 27′ S., long. 159° 47′ E.

This Notice affects the following Admiralty Chart.—Solomon islands, No. 214: Also, Pacific Islands, vol. I., 1890, page 392.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 23rd July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 181.

[First Publication.]

CHINA SEA—TONG KING GULF.

Haifong approaches—Lights exhibited.

THE British Admiralty has given notice (No. 359 of 1900) that the following dioptric lights of the 6th order are exhibited in the approaches to Haifong :—

1. A *white fixed* light, elevated 30 feet above high water, and visible from the bearing of S. 61° W., through west and north, to S. 29° E., is exhibited from a column surmounting an iron pile structure, painted red, erected southward of Mangue island, in approximately lat. 20° 49′ 55″ N., long. 106° 52′ 15″ E.

2. A *green fixed* light elevated 28 feet above high water, and visible from the bearing of N. 86° W., through north and east, to S. 4° W., is exhibited from a column surmounting an iron pile structure, painted red, erected at the junction of Song chang and Kua nam trieu, in approximately lat. 20° 56′ 21″ N., long 106° 45′ 35″ E. (*Notice No. 359 of 1900.*)

(*Variation 2° Easterly in 1900.*)

This notice affects the following admiralty Charts :—Approaches to Haifong, No. 775 : Also List of Lights, part VI, 1900, page 110 ; and China Sea Directory, vol. II, 1899, page 441.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 23rd July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 182.

[First Publication.]

CHINA SEA—SINGAPORE.

New Harbour—Renamed Keppel Harbour.

THE British Admiralty has given notice (No. 362 of 1900) that the Colonial Government changed the name of New harbour to Keppel harbour. This name has therefore been inserted on the Charts, in addition to that by which the harbour has been known up to the

present; but when the China Sea Directory, vol. 1, is again revised, the name of Keppel harbour will alone be used. (*Notice No. 362 of 1900.*)

Approximate position, lat. 1° 16′ N., long. 103° 50′ E.

This Notice affects the following Admiralty Charts:—Malacca strait, No. 1355; Banka strait to Singapore, No. 2757; cape Rachado to Singapore, No. 795; Singapore strait, Nos. 2403, 2404; Singapore roads, No. 1995; Singapore New harbour, No. 2023: Also, China Sea Directory, vol. I, 1896, page 207.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 23rd July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 183.

[First Publication.]

EASTERN ARCHIPELAGO—GILLOLO PASSAGE.

Reported non-Existence of Erbe and Ardassier islands.

THE British Admiralty has given notice (No. 364 of 1900) that information has been received through the Board of Trade that the Master of the ship *City of Hancow* reports that on 4th January 1900, when working to windward in a north-easterly direction, in very clear weather, he passed over the positions of Erbe and Ardassier islands without seeing any sign of them, although the Catherine islands were distinctly seen from a distance of 20 miles.

Approximate position, Erbe island, lat. 0° 44′ N., long. 129° 12′ E.

As the reported positions of these islands has been passed over by other vessels in 1886 without their having been seen, they probably do not exist, and have therefore been erased from the Admiralty Charts. (*Notice No. 364 of 1900.*)

This Notice affects the following Admiralty Charts:—Eastern Archipelago, Nos. 942a, b: Also, Eastern Archipelago, part I, 1890, page 407.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 23rd July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 163.

[Second Publication.]

AUSTRALIA—APPROACH TO PORT DARWIN.

Spherical buoy replaced on Marsh shoal.

WITH reference to Notice to Mariners No. 125, dated 16th June 1899, issued by this office, the President, Marine Board, Port Adelaide, has given further notice (No. 3 of 1900) that the Spherical buoy painted red and white (horizontal stripes) has been replaced in its former position on the Marsh shoal, and that the temporary buoy has been removed.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 10th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 164.

[Second Publication.]

AUSTRALIA—PORT HINCHINBROOK.

Dungeness.—Change in colour of beacons.

THE Port Master, Brisbane, has given notice (No. 9 of 1900) that on and after 1st July 1900, the three beacons marking the bank off old Dungeness, and to the westward of Lucinda Point, will be painted Red, instead of Black as hitherto.

Charts affected—Nos. 1254 and 2349; and Australia Directory, Vol. II.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 14th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 165.

[Second Publication.]

AUSTRALIA—Moreton bay, North channel.

Alteration in sector of yellow patch light, and new position of No. 5 buoy.

The Port Master, Brisbane, has given notice (No. 10 of 1900) that the southern edge of the White Sector which shows towards the North Channel from the Yellow Light has been extended three degrees further south, and the bearing of its southern edge is now S. 83° E.

Also, that No. 5 Black Buoy has been moved two cables to the S.W. by W., and now marks a patch carrying 17 feet 6 inches over it at low-water spring tide.

Charts affected—Nos. 1670A and 1029; Australia Directory, Vol. II.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta

Published for general information.

C. B. Bayley,
Calcutta, *the 14th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 166.

[Second Publication.]

BAY OF BENGAL—Burma coast.

Rangoon river.—Leading lights.

With reference to this Office No. 142, dated 9th ultimo, the following Notice to Mariners (No. 56 of 1900) issued by the Bombay Government is republished.

Information dated 15th June 1900 has been received from the Deputy Conservator of the Port of Rangoon, that two leading lights of a similar character as notified in Bombay Government Notice to Mariners No. 49, dated 30th May 1900, have been exhibited below Syriam Point in Rangoon River.

The above lights are intended as a guide to vessels crossing the Hastings Shoal by night.

From Syriam Point the front light is S. 10° E., distant 6½ cables, and the line of bearing is S. 71° E. and is for all practical purposes the same as No. 2 track.

This Notice affects the following Admiralty Charts:—Rangoon River and Approaches No. 833: Also Bay of Bengal Pilot, 1892, 2nd edition, page 329, and List of Lights, Part VI, 1900, page 60.

E J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Calcutta. *the 14th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 167.

[Second Publication.]

PACIFIC OCEAN—Philippine islands—Luzon.

Iba—Shoal in approach.

The British Admiralty has given notice (No. 335 of 1900) of the existence of a shoal, with an estimated depth of 3½ fathoms over it, about 4 miles from the shore in the approach to Iba, situated with Iba mount bearing N. 72° E., distant about 13½ miles, and High peak N. 45° E.

Approximate position, lat. 15° 18′ N., long. 119° 54½′ E.

Approaching Iba on a N. 50° E. course the water shoaled suddenly from 19 to 9 fathoms, after which the bottom was seen. (*Notice No. 335 of 1900.*)

(*Variation Nil in 1900.*)

This Notice affects the following Admiralty Charts:—Luzon island, No. 2454; China sea, No. 2661b: Also, China Sea Directory, Vol. II., 1899, page 316; and Eastern Archipelago, part I., 1890, page 49.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Calcutta, *the 14th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 168.

[Second Publication.]

CHINA SEA—BALABAC STRAIT.

Lumbukan—Bank to the southward.

THE British Admiralty has given notice (No. 336 of 1900) of the existence of a bank about three-quarters of a mile long, east and west, and depths over it of from 7½ to 10 fathoms, to the southward of Lumbukan; its centre is situated with the eastern extreme of Lumbukan bearing N. 22° E., distant 3 miles, and cape Melville N. 83° W. (*Notice No. 336 of 1900.*)

Approximate position, lat. 7° 47′ N., long. 117° 12½′ E.

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—China sea, No. 2660b; Palawan island, No. 967; Balabac strait, No. 948: Also, China Sea Directory, Vol. II., 1899, page 201.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 14th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 169.

[Second Publication.]

JAPAN—GULF OF TOKYO.

Kawa (Haneda) Saki light—Character altered.

THE British Admiralty has given notice (No. 338 of 1900) that on 20th April 1900, the light exhibited at Kawa Saki was altered from green fixed to *white occulting* every *thirty seconds* (light, *twenty-three seconds*; eclipse, *seven seconds*); the new light is of the 5th order, but in other respects it remains unchanged. (*Notice No. 338 of 1900.*)

Appoximate position, lat. 35° 32′ N., long. 139° 47′ E.

This Notice affects the following Admiralty Charts:—Kii channel to Yedo, No. 996; gulf of Tokyo, No. 2657: Also, List of Lights, part VI., 1900, No. 913; China Sea Directory, Vol. IV., 1894, page 309; and Supplement, 1898, relating to that work, page 16.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 14th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 170.

[Second Publication.]

JAPAN—SIMONOSEKI STRAIT.

Daibahana—Light exhibited.

THE British Admiralty has given notice (No. 341 of 1900) that on 20th April 1900, an unwatched *fixed* light, elevated 76 feet above the sea, and visible in clear weather, from a distance of 6 miles, was exhibited on Daibahana, Takenoko sima.

Daibahana light shows the following sectors:—*White* from the bearing of N. 24° W. to N. 21° W., *red* from N. 21° W., through north, to N. 61° E., *white* from N. 61° E., through east and south, to S. 47° W., *red* from S. 47° W. to S. 73° W., *white* from S. 73° W. to S. 85° W., and obscured in other directions.

It is shown from a brick cylindrical tower, 30 feet high, and painted white, erected on the extremity of the point. (*Notice No. 341 of 1900.*)

Approximate position, lat. 33° 57′ N., long 130° 52′ E.

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Hirado no Seto to Simonoseki strait, No. 127; Simonoseki strait, No. 532; Also, List of Lights, part VI., 1900, No. 853a; and China Sea Directory, Vol. IV., 1894, page 432.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 14th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 171.

[Second Publication.]

JAPAN—Liu Kiu islands.

Naha—Light exhibited.

The British Admiralty has given notice (No. 342 of 1900) that on 20th April 1900, an unwatched *fixed* light, elevated 30 feet above high water, and visible, in clear weather, from a distance of 6 miles, was exhibited from fort Miyegushiku, Naha harbour.

Naha light shows the following sectors:—*red* from the bearing of East to S. 57° E., *white* from S. 57° E. to S. 52° E., *red* from S. 52° E., through south, to S. 13° W., obscured elsewhere.

It is shown from a brick rectangular tower, 12 feet high, and painted white, erected in fort Miyegushiku. (*Notice No. 342 of 1900.*)

Approximate position, lat. 26° 12′ 25″ N., long. 127° 40′ 35″ E.

(*Variation 2° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Liu Kiu islands, No. 2416; Naha roads, No. 990: Also, List of Lights, part VI., 1900, No. 818a; and China Sea Directory. Vol. IV., 1894, page 219.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 14th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 172.

[Second Publication.]

JAPAN, INLAND SEA—Kuru sima no Seto.

Nagato sima—Light exhibited.

The British Admiralty has given notice (No. 344 of 1900) that on 20th April 1900, a *white fixed* light, elevated 126 feet above high water, and visible, in clear weather, from a distance of 6 miles, between the bearings of N. 31° W., through north and east, and S. 86° W., was exhibited on Nagato sima.

It is shown from a stone cylindrical tower, 25 feet high, and painted white, erected on the north-west point of the island. (*Notice No. 344 of 1900.*)

Approximate position, lat. 34° 7′ 5″ N., long. 133° 0′ 0″ E.

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Misima Nada and Bingo Nada channels, No. 132; Kuru sima no Seto, No. 131: Also, List of Lights, part VI., 1900, page 144; China Sea Directory, Vol. IV., 1894, page 395; and Supplement, 1898, relating to that work, page 20.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 14th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 173.

[Second Publication.]

JAPAN, INLAND SEA—Iyo Nada.

Koiso reef—Position and particulars.

The British Admiralty has given notice (No. 346 of 1900) of the existence of a reef named Koiso, which dries 2 feet at low-water springs and has 8 to 23 fathoms around it, on the south coast of Yashiro sima, situated with the south-east point of Tatsu sima, bearing S. 44° W., distant 5¼ cables, and Isaki haua S. 24° E. (*Notice No. 346 of 1900.*)

Approximate position, lat. 33° 52′ 20″ N., long. 132° 19′ 0″ E.

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Inland sea, No. 2875; Also, China Sea Directory, Vol. IV., 1894, page 423.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 14th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 174.

[Second Publication.]

PERSIAN GULF—BUSRAH BAR.

A small Cask buoy in place of the lost Outer buoy.

WITH reference to Notice to Mariners No. 154, dated 7th July, issued by this office, relative to the disappearance of the Outer buoy of the Busrah river bar, the Officiating Political Resident in the Persian gulf has given further notice, stating that a small Cask buoy with a small black basket and white flag has been placed in a position approximately five cables S. W. of the old one; and that it is visible about 3 miles in clear weather.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 14th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 154.

[Third Publication.]

PERSIAN GULF—BUSRAH BAR.

Outer buoy adrift.

CAUTION.—The Officiating Political Resident in the Persian gulf has given notice, dated the 25th June last, that the Commander of the S.S. *Tripoli* has reported that the Busrah bar Outer buoy has broken adrift. The buoy has not yet been replaced, and Mariners are accordingly warned.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 7th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 155.

[Third Publication.]

CHINA SEA—FORMOSA.

Kelung harbour—Light exhibited—Fog signal established.

THE British Admiralty has given notice (No. 306 of 1900) that on and after 1st April 1900, a *fixed* light of the 5th order, elevated 133 feet above high water, and visible in clear weather from a distance of 15 miles, would be exhibited on Banjintai Bi, Kelung harbour entrance.

Kelung light shows *white* from the bearing of S. 28° E., through south, to S. 3° W., *red* from S. 3° W. to S. 9° W. (over Shin se), *white* from S. 9° W., through west, to N. 12° W., and obscured in other directions; it is shown from a brick cylindrical tower about 30 feet high, and painted white, and has been placed on the Chart about one cable S. 50° W. from the extremity of the point.

Approximate position, lat. 25° 9′ 15″ N., long. 121° 44′ 25″ E.

Also that a fog siren would be established giving, during thick or foggy weather, *two blasts* about *every minute*, thus:—blast, *two seconds;* silent interval, *four seconds;* blast *two seconds;* silent interval, *fifty seconds.*

(*Variation 1° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Formosa island and strait, No. 1968; Ockseu islands to Tung yung, No. 1761; Ke lung harbour, No. 2618: Also, List of Lights, Part VI, 1900, page 154; China Sea Directory, vol. III, 1894, page 269; and Supplement, 1898, relating to that work, page 22.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 7th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 156.

[Third Pulication.]

CHINA SEA—ANNAM SHORE.

Kulao Rai light—Intended exhibition.

WITH reference to Notice to Mariners No. 144, dated the 23rd July 1897, issued by this office, the British Admiralty has given further notice (No. 314 of 1900) that towards the end of June 1900, it is intended to exhibit experimentally a third order *white flashing* light every *five seconds* (flash, *one-tenth of a second;* eclipse, *four and nine-tenths seconds*) on Kulao Rai, entrance to Tong King gulf.

Kulao Rai light will be elevated 172 feet above high water, and visible in clear weather from a distance of 20 miles from the bearing of about N. 59° E., through north and west, to S. 72° E.

It is shown from a metal pyramidal tower, coloured grey, about 165 feet high, erected about 2 cables S. 60° W. from the north-east point of the island.

Approximate position, lat. 15° 23′ 30″ N., long. 109° 6′ 0″ E.

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—China sea, Nos. 1263, 2661a; Fan rang bay to Tong King gulf, No. 1342; Ki Kik bay, No. 1005: Also, List of Lights, Part VI, 1900, No. 673; and China Sea Directory, vol. II, 1899, page 417.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 7th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 157.

[Third Publication.]

PACIFIC OCEAN—THE PHILIPPINE ISLANDS—LUZON, WEST COAST.

Calra island light re-exhibited.

THE British Admiralty has given notice (No. 316 of 1900) that on 10th April 1900, a third order, dioptric, *white flashing* light every *ten seconds* was exhibited on Boi point, San Sebastiao island.

San Sebastiao light is elevated 243 feet above high water, and visible in clear weather from a distance of 20 miles from the bearing of S. 68° E., through east and north to S. 68° W. It is shown from a stone rectangular tower about 55 feet high, painted white, with the dwelling close to it.

Approximate position, lat. 23° 58′ 30″ S., long. 45° 15′ 20″ W.

(*Variation 10° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—South Atlantic, No. 2202b; Victoria to Sta. Catherina, No. 530: Also, List of Lights, Part VII, 1900, page 20; and South America Pilot, Part I, 1893, page 181.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 7th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 158.

[Third Publication.]

JAPAN—NORTHERN STRAITS.

Ice.

THE British Admiralty has given notice (No. 323 of 1900) that information has been received through the Board of Trade that the British S.S. *Ness*, when on a voyage from Portland, Oregon, to Vladivostock, encountered a large quantity of field ice on 18th March 1900, off the coast of Yezo island, in approximately lat. 42° 36′ N., long. 146° 18′ E., and continued meeting ice until in lat. 42° 0′ N., long. 144° 25′ E.

It is also reported that ice in this neighbourhood was met by another steamship in February 1900 when proceeding from Vancouver to Vladivostock.

It is known that ice may be encountered during the winter months in Yezo strait, Kunashiri channel, and Yetorup strait, but this is the first time it has been reported so far from the shore. This is probably owing to the fact that few ships have hitherto made a passage from the Western ports of North America towards Tsugaru strait in the winter. It is not unlikely that ice may be quite common in this vicinity in the winter.

This Notice affects the China Sea Directory, vol. IV, 1894, pages 603, 629, 630.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 7th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 159.

[Third Publication.]

INDIA, WEST COAST—PORT KARWAR APPROACH.

Wreck.

THE British Admiralty has given notice (No. 324 of 1900) that the wreck of a steamship, with masts and funnel visible at high water, lies sunk with Oyster rock lighthouse bearing S. 37° W., distant 1½ miles, and south point of Shimis-guda island S. 77° E.

Approximate position, lat. 14° 50′ 30″ N., long. 74° 3′ 50″ E.

(*Variation Nil in 1900.*)

This Notice affects the following Admiralty Charts:—Cape Ramas to Alvagudda, No. 744; Sadashivgad bay, No. 242: Also, West Coast of Hindustan Pilot, 1898, page 154.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 7th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 160.

[Third Publication.]

CHINA SEA—GULF OF SIAM.

Nui Nai point light exhibited.

WITH reference to Notice to Mariners No. 136, dated 9th July 1897, issued by this Office, the British Admiralty has given further notice (No. 325 of 1900) that on 1st May 1900, a *white flashing* light every *five seconds*, elevated 205 feet above high water, and visible in clear weather from a distance of 20 miles, was exhibited on Nui Nai point near Hatien.

It is shown from a tower, surmounting the roof of the dwelling, 23 feet high erected on the point.

Approximate position on Chart No. 2725, lat. 10° 21′ 20″ N., long. 104° 25′ 30″ E.

This Notice affects the following Admiralty Charts:—Gulf of Siam, No. 2414; China Sea, No. 2660a; Bay island to Pulo Obi, No. 2723; Koh Tron, &c., No. 2725: Also, List of Lights, part VI, 1900, No. 650; and China Sea Directory, vol. II, 1899, page 348.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 7th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 161.

[Third Publication.]

CHINA SEA—COCHIN CHINA.

Kega islet light exhibited.

WITH reference to Notice to Mariners No. 167, dated 30th August 1897, issued by this office, the British Admiralty has given further notice (No. 326 of 1900) that on 1st June 1900, a *white fixed* and *flashing* light every *two minutes*, elevated 213 feet above high

water, and visible, in clear weather, from a distance of 21 miles, would be exhibited on Kega islet.

It is shown from an octagonal tower of 115 feet high, constructed of light granite.

Approximate position on Chart No. 1261, lat. 10° 41′ 30″ N., long. 108° 0′ 20″ E.

This Notice affects the following Admiralty Charts:—China sea, No. 2660a; Saigon river to Kam ranh bay, No. 1261: Also, List of Lights, part VI, 1900, No. 668a; and China Sea Directory, vol. II, 1899, page 393.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 7th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 162.

[Third Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

Kurnafully river—Depth of water found in the channels.

THE Port Officer, Chittagong, has given notice that the following depth of water was found in the river channels by soundings taken on the 5th July and reduced to zero:—

	FT.	IN.
Track No. 1—Outer bar—		
Disc in the centre between diamond and mast with white and black casks	12	0
Disc on mast with white and black casks	9	6
Track No. 2—Inner bar—		
Disc on mast with white and black casks	11	6
Disc on diamond	11	0
Disc in the centre between diamond and mast with white and black casks	12	0
Track No. 3—		
Tripod on with cross and ball	20	0
Track No. 4—		
Triangle on with mast with white and black casks ...	22	0
Track No. 5—Guptakhally crossing—		
Tripod on diamond	20	6

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 9th July 1900.*

APPENDIX TO

The Calcutta Gazette.

WEDNESDAY, AUGUST 1, 1900.

NOTICES TO MARINERS.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 184.

[First Publication.]

AUSTRALIA, SOUTH—SPENCER GULF, WESTERN APPROACH.

A heavy break, S. S. W. from Liguanea island.

THE President, Marine Board, Port Adelaide, has given notice (No. 5 of 1900) that the Master of the ketch *Sea Flower* reports having observed a heavy break S. S. W. from Liguanea Island (approximate latitude 35° 13′ S., longitude 135° 30′ E).

There was a heavy ground swell at the time, and the break occurred every five or six minutes.

The danger above referred to is in the track of vessels trading between South Australia and Western Australia, and until a further examination of the locality can be made a careful lookout should be kept by masters of vessels in the vicinity.

This affects Admiralty Chart No. 1061.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 28th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 185.

[First Publication.]

JAPAN—LIU KIU ISLANDS.

Naha—A conspicuous tree removed.

THE British Admiralty has given notice (No. 383 of 1900) that the conspicuous tree on Naganmi yama, which formed one of the leading marks into Naha harbour, has disappeared; it has therefore been erased from the Charts. (*Notice No. 383 of 1900.*)

Approximate position, lat. 26° 10′ 50″ N., long. 127° 42′ 55″ E.

This Notice affects the following Admiralty Chart:—Naha roads, No. 990: Also, China Sea Directory, vol. IV, 1894, page 219.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 28th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 186.

[First Publication.]

PACIFIC OCEAN—THE PHILIPPINES—LUZON, NORTH-EAST COAST.

Pinagnapan island—Rock to the north-west.

THE British Admiralty has given notice (No. 384 of 1900) of the existence of a rock surrounded by a reef about 2 miles N.W. of Pinagnapan island, Kalaguas islands. The reef is about 2 miles in extent. (*Notice No. 384 of 1900.*)

Approximate position, lat. 14° 33′ N., long. 122° 47½′ E.

(*Variation Nil in 1900.*)

This Notice affects the following Admiralty Charts :—Philippine islands, No. 943 ; St Bernardino and Mindoro straits, No. 2577 : Also, Eastern Archipelago, part I, 1900, page 338 ; and Revised Supplement, 1898, relating to that work, page 68.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 28th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 175.

[Second Publication.]

AUSTRALIA, NORTH COAST—PORT DARWIN.

A cheese-shaped buoy placed within Quarantine Ground.

THE President, Marine Board, Port Adelaide, has given notice (No. 4 of 1900) that a Cheese-shaped Buoy, painted black, has been placed on the Shoal Patch of Rocks within the boundaries of the Quarantine Ground, Port Darwin, on the following bearings:—North Shell Island, N. 78° 45′, E. magnetic; Middle Hill, S. 14° 30′, W. magnetic, lat. 12° 29′ 50″ S., long. 130° 52′ 30″ E.

Vessels ordered into Quarantine should anchor about four cables to the north and west of the above-mentioned Buoy.

This notice affects Admiralty Chart No. 613, and Plan No. 925.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 21st July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 176.

[Second Publication.]

PERSIAN GULF—NABIYU FARUR.

Shoal Sounding.

THE following Notice to Mariners issued by the Bombay Government is republished :—

Information has been received from Lieutenant Beauchamp, Commanding R. I. M. S. *Lawrence*, that a sounding of 8 fms. was obtained 1¼ miles S.S.W. of Nabiyu Farur, with the western extremes of the island bearing N. 7° E. and the eastern N. 43° E.

Approximate position lat. 26° 06′ N., long. 54° 26′ E.

As it does not appear from Lieutenant Beauchamp's report that any detailed examination was made of the locality where this sounding was obtained, it is possible shoaler water may exist.

All bearings are magnetic. Variation 0° 10′ E. in 1900.

This Notice affects the following Admiralty Chart :—Persian Gulf, No. 2837 A., and Persian Gulf Pilot, 4th edition, 1898, page 236.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 21st July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 177.

[Second Publication.]

AFRICA, SOUTH-EAST COAST—Delagoa Bay.

Elephant island—Alterations in Gibbon point and beacon, &c.

The British Admiralty has given notice (No. 350 of 1900) that information, dated 25th April 1900, has been received from Captain W. B. Fisher, H.M.S. *Magicienne* that the following changes have taken place in the configuration of Elephant island affecting the position of Gibbon point and beacon :—

a. Gibbon point has extended to the westward, and the small white beacon thereon is now situated about 100 yards eastward of the extremity of this extension, or S. 25° E., 2 cables from the observation spot.

Approximate position, lat. 25° 58′ 10″ S., long. 32° 54′ 20″ E.

b. A shoal, with depths of from 2¼ to 3 fathoms over it, extends to the northward from Gibbon point about three-quarters of a mile. Its northern extremity is situated with Gibbon point beacon (new position) bearing S 3° E., distant 8 cables; from discolouration of the water this shoal would now appear to form part of the Cockburn shoal.

Caution.—Considerable changes appear to have taken place in this vicinity; the Chart should therefore be used with caution, and the leading marks into port Melville given in Africa Pilot, part III, page 204, are no longer available. (*Notice No. 350 of 1900.*)

Variation 23° Westerly in 1900.

This Notice affects the following Admiralty Charts:—Delagoa bay, No. 644; port Melville, No. 645 : Also, Africa Pilot, part III, 1897, pages 203, 204.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 23rd July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 178.

[Second Publication.]

AFRICA EAST COAST—Gulf of Aden.

Zeila roadstead—Buoy replaced.

With reference to Notice to Mariners No. 70, dated 12th March last, issued by this office, the British Admiralty has given further notice No. 352 of 1900, that the Gull shoal buoy (black *conical*, surmounted by a staff and two cages placed vertically) has been replaced; it is moored in 5¼ fathoms, low-water springs, with Zeila Consulate bearing S. 66° W., distant 9$\frac{4}{10}$ miles, and Aibat beacon N. 56° W. (*Notice No. 352 of 1900.*)

Approximate position, lat. 11° 25′ 20″ N., long. 43° 36′ 50″ E.

This Notice affects the following Admiralty Chart :—Zeila roadstead, No. 919 : Also, Red Sea and Gulf of Aden Pilot, 1892, pages 404-405.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 23rd July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 179.

[Second Publication.]

PACIFIC OCEAN, SOUTH—Tahiti.

Papiete—Quarantine Regulations.

The British Admiralty has given notice (No. 356 of 1900) that until further notice, vessels entering the harbour of Papiete at night must anchor at the Quarantine station, and wait for daylight to obtain pratique. (*Notice No. 356 of 1900.*)

Approximate position, lat. 17° 32′ S., long. 149° 35′ W.

This Notice affects the following Admiralty Chart :—Papiete pass to Papenu pass, No. 1158; Also Pacific Islands, Vol. II., 1891, page 301.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 23rd July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 180.

[Second Publication.]

PACIFIC OCEAN, SOUTH—Solomon islands, Ysabel islands.

Cape Prieto—Shoal reported—Sand cay above water.

The British Admiralty has given notice (No. 357 of 1900) that a coral patch of very small extent, with apparently a depth over it of 3 fathoms, is reported to exist about one mile to the south-eastward of cape Prieto.

Also, that the sand cay situated about 1¼ miles northward of cape Prieto is now covered with bushes and low trees. (*Notice No. 357 of 1900.*)

Approximate position, lat. 8° 27′ S., long. 159° 47′ E.

This Notice affects the following Admiralty Chart.—Solomon islands, No. 214: Also, Pacific Islands, vol. I., 1890, page 392.

E. J. Beaumont, *Comdr.*, R I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 23rd July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 181.

[Second Publication.]

CHINA SEA—Tong King Gulf.

Haifong approaches—Lights exhibited.

The British Admiralty has given notice (No. 359 of 1900) that the following dioptric lights of the 6th order are exhibited in the approaches to Haifong:—

1. A *white fixed* light, elevated 30 feet above high water, and visible from the bearing of S. 61° W., through west and north, to S. 29° E., is exhibited from a column surmounting an iron pile structure, painted red, erected southward of Mangue island, in approximately lat. 20° 49′ 55″ N., long. 106° 52′ 15″ E.

2. A *green fixed* light elevated 28 feet above high water, and visible from the bearing of N. 86° W., through north and east, to S. 4° W., is exhibited from a column surmounting an iron pile structure, painted red, erected at the junction of Song chang and Kua nam trieu, in approximately lat. 20° 56′ 21″ N., long 106° 45′ 35″ E. (*Notice No. 359 of 1900.*)

(*Variation 2° Easterly in 1900.*)

This notice affects the following admiralty Charts:—Approaches to Haifong, No. 775: Also List of Lights, part VI, 1900, page 110; and China Sea Directory, vol. II, 1899, page 441.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 23rd July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 182.

[Second Pblication.]

CHINA SEA—Singapore.

New Harbour—Renamed Keppel Harbour.

The British Admiralty has given notice (No. 362 of 1900) that the Colonial Government changed the name of New harbour to Keppel harbour. This name has therefore been inserted on the Charts, in addition to that by which the harbour has been known up to the present; but when the China Sea Directory, vol. I, is again revised, the name of Keppel harbour will alone be used. (*Notice No. 362 of 1900.*)

Approximate position, lat. 1° 16′ N., long. 103° 50′ E.

This Notice affects the following Admiralty Charts:—Malacca strait, No. 1355; Banka strait to Singapore, No. 2757; cape Rachado to Singapore, No. 795; Singapore strait, Nos. 2403, 2404; Singapore roads, No. 1995; Singapore New harbour, No. 2023: Also, China Sea Directory, vol. I, 1896, page 207.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 23rd July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 183.

[Second Publication.]

EASTERN ARCHIPELAGO—GILLOLO PASSAGE.

Reported non-Existence of Erbe and Ardassier islands.

THE British Admiralty has given notice (No. 364 of 1900) that information has been received through the Board of Trade that the Master of the ship *City of Hancow* reports that on 4th January 1900, when working to windward in a north-easterly direction, in very clear weather, he passed over the positions of Erbe and Ardassier islands without seeing any sign of them, although the Catherine islands were distinctly seen from a distance of 20 miles.

Approximate position, Erbe island, lat. 0° 44′ N., long. 129° 12′ E.

As the reported positions of these islands has been passed over by other vessels in 1886 without their having been seen, they probably do not exist, and have therefore been erased from the Admiralty Charts. (*Notice No. 364 of 1900.*)

This Notice affects the following Admiralty Charts :—Eastern Archipelago, Nos. 942a, b : Also, Eastern Archipelago, part I, 1890, page 407.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 23rd July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 163.

[Third Publication.]

AUSTRALIA—APPROACH TO PORT DARWIN.

Spherical buoy replaced on Marsh shoal.

WITH reference to Notice to Mariners No. 125, dated 16th June 1899, issued by this office, the President, Marine Board, Port Adelaide, has given further notice (No. 3 of 1900) that the Spherical buoy painted red and white (horizontal stripes) has been replaced in its former position on the Marsh shoal, and that the temporary buoy has been removed.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 10th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 164.

[Third Publication.]

AUSTRALIA—PORT HINCHINBROOK.

Dungeness.—Change in colour of beacons.

THE Port Master, Brisbane, has given notice (No. 9 of 1900) that on and after 1st July 1900, the three beacons marking the bank off old Dungeness, and to the westward of Lucinda Point, will be painted Red, instead of Black as hitherto.

Charts affected—Nos. 1254 and 2349; and Australia Directory, Vol. II.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 14th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 165.

[Third Publication.]

AUSTRALIA—MORETON BAY, NORTH CHANNEL.

Alteration in sector of yellow patch light, and new position of No. 5 buoy.

THE Port Master, Brisbane, has given notice (No. 10 of 1900) that the southern edge of the White Sector which shows towards the North Channel from the Yellow Light has been extended three degrees further south, and the bearing of its southern edge is now S. 83° E.

Also, that No. 5 Black Buoy has been moved two cables to the S.W. by W., and now marks a patch carrying 17 feet 6 inches over it at low-water spring tide.

Charts affected—Nos. 1670A and 1029; Australia Directory, Vol. II.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 14th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 166.

[Third Publication.]

BAY OF BENGAL—BURMA COAST.

Rangoon river.—Leading lights.

WITH reference to this Office No. 142, dated 9th ultimo, the following Notice to Mariners (No. 56 of 1900) issued by the Bombay Government is republished.

Information dated 15th June 1900 has been received from the Deputy Conservator of the Port of Rangoon, that two leading lights of a similar character as notified in Bombay Government Notice to Mariners No. 49, dated 30th May 1900, have been exhibited below Syriam Point in Rangoon River.

The above lights are intended as a guide to vessels crossing the Hastings Shoal by night.

From Syriam Point the front light is S. 10° E., distant 6½ cables, and the line of bearing is S. 71° E. and is for all practical purposes the same as No. 2 track.

This Notice affects the following Admiralty Charts:—Rangoon River and Approaches No. 833: Also Bay of Bengal Pilot, 1892, 2nd edition, page 329, and List of Lights, Part VI, 1900, page 60.

E J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA. *the 14th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 167.

[Third Publication.]

PACIFIC OCEAN—PHILIPPINE ISLANDS—LUZON.

Iba—Shoal in approach.

THE British Admiralty has given notice (No. 335 of 1900) of the existence of a shoal, with an estimated depth of 3½ fathoms over it, about 4 miles from the shore in the approach to Iba, situated with Iba mount bearing N. 72° E., distant about 13½ miles, and High peak N. 45° E.

Approximate position, lat. 15° 18′ N., long. 119° 54½′ E.

Approaching Iba on a N. 50° E. course the water shoaled suddenly from 19 to 9 fathoms, after which the bottom was seen. (*Notice No. 335 of 1900.*)

(*Variation Nil in 1900.*)

This Notice affects the following Admiralty Charts:—Luzon island, No. 2454; China sea, No. 2661b: Also, China Sea Directory, Vol. II., 1899, page 316; and Eastern Archipelago, part I., 1890, page 49.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 14th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 168.

[Third Publication.]

CHINA SEA—BALABAC STRAIT.

Lumbukan—Bank to the southward.

THE British Admiralty has given notice (No. 336 of 1900) of the existence of a bank about three-quarters of a mile long, east and west, and depths over it of from 7½ to 10 fathoms, to the southward of Lumbukan; its centre is situated with the eastern extreme of

Lumbukan bearing N. 22° E., distant 3 miles, and cape Melville N. 83° W. (*Notice No. 336 of 1900.*)

Approximate position, lat. 7° 47′ N., long. 117° 12½′ E.

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—China sea, No. 2660b; Palawan island, No. 967; Balabac strait, No. 948: Also, China Sea Directory, Vol. II., 1899, page 201.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 14th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 169.

[Third Publication.]

JAPAN—GULF OF TOKYO.

Kawa (Haneda) Saki light—Character altered.

THE British Admiralty has given notice (No. 338 of 1900) that on 20th April 1900, the light exhibited at Kawa Saki was altered from green fixed to *white occulting* every *thirty seconds* (light, *twenty-three seconds*; eclipse, *seven seconds*); the new light is of the 5th order, but in other respects it remains unchanged. (*Notice No. 338 of 1900.*)

Appoximate position, lat. 35° 32′ N., long. 139° 47′ E.

This Notice affects the following Admiralty Charts:—Kii channel to Yedo, No. 996; gulf of Tokyo, No. 2657: Also, List of Lights, part VI., 1900, No. 913; China Sea Directory, Vol. IV., 1894, page 309; and Supplement, 1898, relating to that work, page 16.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 14th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 170.

[Third Publication.]

JAPAN—SIMONOSEKI STRAIT.

Daibahana—Light exhibited.

THE British Admiralty has given notice (No. 341 of 1900) that on 20th April 1900, an unwatched *fixed* light, elevated 76 feet above the sea, and visible in clear weather, from a distance of 6 miles, was exhibited on Daibahana, Takenoko sima.

Daibahana light shows the following sectors:—*White* from the bearing of N. 24° W. to N. 21° W., *red* from N. 21° W., through north, to N. 61° E., *white* from N. 61° E., through east and south, to S. 47° W., *red* from S. 47° W. to S. 73° W., *white* from S. 73° W. to S. 85° W., and obscured in other directions.

It is shown from a brick cylindrical tower, 30 feet high, and painted white, erected on the extremity of the point. (*Notice No. 341 of 1900.*)

Approximate position, lat. 33° 57′ N., long 130° 52′ E.

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Hirado no Seto to Simonoseki strait, No. 127; Simonoseki strait, No. 532: Also, List of Lights, part VI., 1900, No. 853a; and China Sea Directory, Vol. IV., 1894, page 432.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 14th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 171.

[Third Publication.]

JAPAN—Liu Kiu islands.

Naha—Light exhibited.

The British Admiralty has given notice (No. 342 of 1900) that on 20th April 1900, an unwatched *fixed* light, elevated 30 feet above high water, and visible, in clear weather, from a distance of 6 miles, was exhibited from fort Miyegushiku, Naha harbour.

Naha light shows the following sectors:—*red* from the bearing of East to S. 57° E., *white* from S. 57° E. to S. 52° E., *red* from S. 52° E., through south, to S. 13° W., obscured elsewhere.

It is shown from a brick rectangular tower, 12 feet high, and painted white, erected in fort Miyegushiku. (*Notice No. 342 of 1900.*)

Approximate position, lat. 26° 12′ 25″ N., long. 127° 40′ 35″ E.

(*Variation 2° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Liu Kiu islands, No. 2416; Naha roads, No. 990: Also, List of Lights, part VI., 1900, No. 818a; and China Sea Directory. Vol. IV., 1894, page 219.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 14th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 172.

[Third Publication.]

JAPAN, INLAND SEA—Kuru sima no Seto.

Nagato sima—Light exhibited.

The British Admiralty has given notice (No. 344 of 1900) that on 20th April 1900, a *white fixed* light, elevated 126 feet above high water, and visible, in clear weather, from a distance of 6 miles, between the bearings of N. 31° W., through north and east, and S. 86° W., was exhibited on Nagato sima.

It is shown from a stone cylindrical tower, 25 feet high, and painted white, erected on the north-west point of the island. (*Notice No. 344 of 1900.*)

Approximate position, lat. 34° 7′ 5″ N., long. 133° 0′ 0″ E.

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Misima Nada and Bingo Nada channels, No. 132; Kuru sima no Seto, No. 131: Also, List of Lights, part VI., 1900, page 144; China Sea Directory, Vol. IV., 1894, page 395; and Supplement, 1898, relating to that work, page 20.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 14th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 173.

[Third Publication.]

JAPAN, INLAND SEA—Iyo Nada.

Koiso reef—Position and particulars.

The British Admiralty has given notice (No. 346 of 1900) of the existence of a reef named Koiso, which dries 2 feet at low-water springs and has 8 to 23 fathoms around it, on the south coast of Yashiro sima, situated with the south-east point of Tatsu sima, bearing S. 44° W., distant 5¼ cables, and Isaki hana S. 24° E. (*Notice No. 346 of 1900.*)

Approximate position, lat. 33° 52′ 20″ N., long. 132° 19′ 0″ E.

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Inland sea, No. 2875; Also, China Sea Directory, Vol. IV., 1894, page 423.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 14th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 174.

[Third Publication.]

PERSIAN GULF—BUSRAH BAR.

A small Cask buoy in place of the lost Outer buoy.

WITH reference to Notice to Mariners No. 154, dated 7th July, issued by this office, relative to the disappearance of the Outer buoy of the Busrah river bar, the Officiating Political Resident in the Persian gulf has given further notice, stating that a small Cask buoy with a small black basket and white flag has been placed in a position approximately five cables S. W. of the old one; and that it is visible about 3 miles in clear weather.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 14th July 1900.*

APPENDIX TO

The Calcutta Gazette.

WEDNESDAY, AUGUST 8, 1900.

NOTICES TO MARINERS.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 187.

[First Publication.]

AUSTRALIA—Queensland—Cooktown approach—Lark Pass.

Beacons re-erected on Marx and Swinger reefs.

With reference to Notice to Mariners No. 11, dated 12th January last, issued by this office, the British Admiralty has given further notice (No. 398 of 1900) that the beacons on Marx reef (*red*) and on Swinger reef (*red and black*) have been re-erected; they have therefore been re-inserted on the Charts in their original positions. (*Notice No. 398 of 1900.*)

Approximate position, Marx reef, lat. 15° 12′ S., long. 145° 37′ E.

Ditto ditto Swinger reef, lat. 15° 14½′ S., long. 145° 32′ E.

This Notice affects the following Admiralty Chart:—Hope islands to Turtle group, No. 2923: Also, Australia Directory, vol. II, 1898, page 376.

E. J. Beaumont *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 3rd August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 188.

[First Publication.]

CHINA—Min river.

Rocky point—Beacon erected.

The British Admiralty has given notice (No. 399 of 1900) that a red spar beacon, surmounted by a cage about 13 feet above high water, on which the words "Rocky point" are painted, has been erected about 30 yards from the outer extremity of a ledge of rocks about half way between Tunui and Tintao, river Min; it is situated with Half Tide beacon bearing N. 72° E., distant 8 cables, and Kaului head S. 25° E. (*Notice No. 399 of 1900.*)

Approximate position, lat. 26° 5′ 30″ N., long. 119° 31′ 30″ E.

This Notice affects the following Admiralty Chart:—River Min, No. 2400: Also, China Sea Directory, vol. III, 1894, page 285; and Supplement, 1898, relating to that work, page 23.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 3rd August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 189.

[First Publication.]

AFRICA, SOUTH—CAPE COLONY—SIMONS BAY.

Rambler rock—Particulars and position.

THE British Admiralty has given notice (No. 401 of 1900) of the existence of a rocky patch, named Rambler rock, with a depth of 27 feet over it, situated with Roman rocks lighthouse bearing N. 31° W., distant $2\frac{9}{10}$ cables, and Noah's Ark S. 77° E. (*Notice No. 401 of 1900.*)

Approximate position, lat. 34° 11′ 0″ S., long. 18° 27′ 55″ E.

(*Variation 29° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Table bay to cape Agulhas, No. 2082; cape of Good Hope, &c., No. 636; Simons bay, No. 1849: Also, Africa Pilot, part II, 1893, page 385, part III, 1897, page 73.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 3rd August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 190.

[First Publication.]

PACIFIC OCEAN—THE PHILIPPINES—LUZON, SOUTH COAST.

Marinduque island—Shoal on west coast.

THE British Admiralty has given notice (No. 410 of 1900) that a shoal of $4\frac{1}{2}$ fathoms is reported to exist where the Charts show a depth of 46 fathoms, northward of the river Buak, Marinduque island.

Approximate position, lat. 13° 28′ N., long. 121° 49′ E.

The depth of 46 fathoms has therefore been replaced on the Charts by a shoal of $4\frac{1}{2}$ fathoms. (*Notice No. 410 of 1900.*)

This Notice affects the following Admiralty Charts:—China sea, No. 2661b; Philippine islands, No. 943; St. Bernardino and Mindoro strait, No. 2577: Also, Eastern Archipelag, part I, 1890, page 103.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 3rd August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 191.

[First Publication.]

PACIFIC OCEAN—THE PHILIPPINES—PANAY.

San José de Buenavista—Coral reef off the south extreme.

THE British Admiralty has given notice (No. 411 of 1900) that a coral reef, 20 yards in diameter and with a depth over it of 17 feet at low water, is reported to exist three-quarters of a mile southward of the south extreme of the point on which San José de Buenavista is situated.

Approximate position, lat. 10° 44′ N., long. 121° $54\frac{1}{2}$′ E.

There is a depth of 7 fathoms inside, and 9 fathoms outside, the reef. (*Notice No. 411 of 1900.*)

This Notice affects the following Admiralty Chart:—Sulu Sea, No. 2578: Also, Eastern Archipelago, part I, 1890, page 212.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 3rd August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 192.

[First Publication.]

PACIFIC OCEAN—PHILIPPINE ISLANDS—MAKTAN ISLAND.

Shoal off point Lanis, port Sebu.

THE British Admiralty has given notice (No. 412 of 1900) that a coral shoal of about 20 yards in diameter, and with a depth over it of 11 feet at low water, is reported to exits about a quarter of a mile S.W. of Lanis point, port Sebu. (*Notice No. 412 of 1900.*)

Approximate position, lat. 10° 14′ 0″ N., long. 123° 53′ 0″ E.

(*Variation 1° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—Port Sebu, No. 2391: Also, Eastern Archipelago, part I, 1890, page 258; and Revised Supplement, 1898, page 63, relating to that work.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 3rd August 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 193.

[First Publication.]

PACIFIC OCEAN,—SUMATRA, WEST COAST—BATU ISLANDS.

Particulars of Treba island and Lago islet.

THE British Admiralty has given notice (No. 413 of 1900) that the following islands are reported to exist between Tanah Masa and Pulo Pinie, Batu islands:—

a. An island, named Treba, on which there are cocoanut palms, to the eastward of Bai, in approximately lat. 0° 3′ 20″ S., long. 98° 34′ 40″ E.

b. A small islet has formed on the reef westward of Lago, in approximately lat. 0° 2′ 0″ N., long. 98° 25′ 20″ E. (*Notice No. 413 of 1900.*)

This Notice affects the following Admiralty Chart:—Acheh head to Tyingkok bay, No. 2760: Also, China Sea Directory, vol. I, 1896, pages 323, 324.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 3rd August 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 184.

[Second Publication.]

AUSTRALIA, SOUTH—SPENCER GULF, WESTERN APPROACH.

A heavy break, S. S. W. from Liguanea island.

THE President, Marine Board, Port Adelaide, has given notice (No. 5 of 1900) that the Master of the ketch *Sea Flower* reports having observed a heavy break S.S.W. from Liguanea Island (approximate latitude 35° 13′ S., longitude 135° 30′ E).

There was a heavy ground swell at the time, and the break occurred every five or six minutes.

The danger above referred to is in the track of vessels trading between South Australia and Western Australia, and until a further examination of the locality can be made a careful lookout should be kept by masters of vessels in the vicinity.

This affects Admiralty Chart No. 1061.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 28th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 185.

[Second Publication.]

JAPAN—Liu Kiu islands.

Naha—A conspicuous tree removed.

The British Admiralty has given notice (No. 383 of 1900) that the conspicuous tree on Naganmi yama, which formed one of the leading marks into Naha harbour, has disappeared; it has therefore been erased from the Charts. (*Notice No. 383 of 1900.*)

Approximate position, lat. 26° 10′ 50″ N., long. 127° 42′ 55″ E.

This Notice affects the following Admiralty Chart:—Naha roads, No. 990: Also, China Sea Directory, vol. IV, 1894, page 219.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 28th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 186.

[Second Publication.]

PACIFIC OCEAN—The Philippines—Luzon, north-east coast.

Pinagnapan island—Rock to the north-west.

The British Admiralty has given notice (No. 384 of 1900) of the existence of a rock surrounded by a reef about 2 miles N.W. of Pinagnapan island, Kalaguas islands. The reef is about 2 miles in extent. (*Notice No. 384 of 1900.*)

Approximate position, lat. 14° 33′ N., long. 122° 47½′ E.

(*Variation Nil in 1900.*)

This Notice affects the following Admiralty Charts:—Philippine islands, No. 943; St. Bernardino and Mindoro straits, No. 2577: Also, Eastern Archipelago, part I, 1900, page 338; and Revised Supplement, 1898, relating to that work, page 68.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 28th July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 175.

[Third Publication.]

AUSTRALIA, NORTH COAST—Port Darwin.

A cheese-shaped buoy placed within Quarantine Ground.

The President, Marine Board, Port Adelaide, has given notice (No. 4 of 1900) that a Cheese-shaped Buoy, painted black, has been placed on the Shoal Patch of Rocks within the boundaries of the Quarantine Ground, Port Darwin, on the following bearings:—North Shell Island, N. 78° 45′, E. magnetic; Middle Hill, S. 14° 30′, W. magnetic, lat. 12° 29′ 50″ S., long. 130° 52′ 30″ E.

Vessels ordered into Quarantine should anchor about four cables to the north and west of the above-mentioned Buoy.

This notice affects Admiralty Chart No. 613, and Plan No. 925.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 21st July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 176.

[Third Publication.]

PERSIAN GULF—Nabiyu Farur.

Shoal Sounding.

The following Notice to Mariners issued by the Bombay Government is republished :—

Information has been received from Lieutenant Beauchamp, Commanding R. I. M. S. *Lawrence*, that a sounding of 8 fms. was obtained 1¼ miles S.S.W. of Nabiyu Farur, with the western extremes of the island bearing N. 7° E. and the eastern N. 43° E.

Approximate position lat. 26° 06′ N., long. 54° 26′ E.

As it does not appear from Lieutenant Beauchamp's report that any detailed examination was made of the locality where this sounding was obtained, it is possible shoaler water may exist.

All bearings are magnetic. Variation 0° 10′ E. in 1900.

This Notice affects the following Admiralty Chart :—Persian Gulf, No. 2837 A., and Persian Gulf Pilot, 4th edition, 1898, page 236.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 21st July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT

NOTICE TO MARINERS—No. 177.

[Third Publication.]

AFRICA, SOUTH-EAST COAST—Delagoa Bay.

Elephant island—Alterations in Gibbon point and beacon, &c.

The British Admiralty has given notice (No. 350 of 1900) that information, dated 25th April 1900, has been received from Captain W. B. Fisher, H.M.S. *Magicienne* that the following changes have taken place in the configuration of Elephant island affecting the position of Gibbon point and beacon :—

a. Gibbon point has extended to the westward, and the small white beacon thereon is now situated about 100 yards eastward of the extremity of this extension, or S. 25° E., 2 cables from the observation spot.

Approximate position, lat. 25° 58′ 10″ S., long. 32° 54′ 20″ E.

b. A shoal, with depths of from 2¼ to 3 fathoms over it, extends to the northward from Gibbon point about three-quarters of a mile. Its northern extremity is situated with Gibbon point beacon (new position) bearing S 3° E., distant 8 cables; from discolouration of the water this shoal would now appear to form part of the Cockburn shoal.

Caution.—Considerable changes appear to have taken place in this vicinity; the Chart should therefore be used with caution, and the leading marks into port Melville given in Africa Pilot, part III, page 204, are no longer available. (*Notice No. 350 of 1900.*)

Variation 23° Westerly in 1900.

This Notice affects the following Admiralty Charts :—Delagoa bay, No. 644 ; port Melville, No. 645 : Also, Africa Pilot, part III, 1897, pages 203, 204.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 23rd July 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 178.

[Third Publication.]

AFRICA EAST COAST—Gulf of Aden.

Zeila roadstead—Buoy replaced.

With reference to Notice to Mariners No. 70, dated 12th March last, issued by this office, the British Admiralty has given further notice No. 352 of 1900, that the Gull shoal buoy (black *conical*, surmounted by a staff and two cages placed vertically) has been replaced;

it is moored in 5¼ fathoms, low-water springs, with Zeila Consulate bearing S. 66° W., distant $9\frac{4}{10}$ miles, and Aibat beacon N. 56° W. (*Notice No. 352 of 1900.*)

Approximate position, lat. 11° 25′ 20″ N., long. 43° 36′ 50″ E.

This Notice affects the following Admiralty Chart :—Zeila roadstead, No. 919 : Also, Red Sea and Gulf of Aden Pilot, 1892, pages 404-405.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 23rd July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 179.

[Third Publication.]

PACIFIC OCEAN, SOUTH—TAHITI.

Papiete—Quarantine Regulations.

THE British Admiralty has given notice (No. 356 of 1900) that until further notice, vessels entering the harbour of Papiete at night must anchor at the Quarantine station, and wait for daylight to obtain pratique. (*Notice No. 356 of 1900.*)

Approximate position, lat. 17° 32′ S., long. 149° 35′ W.

This Notice affects the following Admiralty Chart :—Papiete pass to Papenu pass, No. 1158 ; Also Pacific Islands, Vol. II, 1891, page 301.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 23rd July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 180.

[Third Publication.]

PACIFIC OCEAN, SOUTH—SOLOMON ISLANDS, YSABEL ISLANDS.

Cape Prieto—Shoal reported—Sand cay above water.

THE British Admiralty has given notice (No. 357 of 1900) that a coral patch of very small extent, with apparently a depth over it of 3 fathoms, is reported to exist about one mile to the south-eastward of cape Prieto.

Also, that the sand cay situated about 1¼ miles northward of cape Prieto is now covered with bushes and low trees. (*Notice No. 357 of 1900.*)

Approximate position, lat. 8° 27′ S., long. 159° 47′ E.

This Notice affects the following Admiralty Chart.—Solomon islands, No. 214 : Also, Pacific Islands, vol. I, 1890, page 392.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 23rd July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 181.

[Third Publication.]

CHINA SEA—TONG KING GULF.

Haifong approaches—Lights exhibited.

THE British Admiralty has given notice (No. 359 of 1900) that the following dioptric lights of the 6th order are exhibited in the approaches to Haifong :—

1. A *white fixed* light, elevated 30 feet above high water, and visible from the bearing of S. 61° W., through west and north, to S. 29° E., is exhibited from a column surmounting an iron pile structure, painted red, erected southward of Mangue island, in approximately lat. 20° 49′ 55″ N., long. 106° 52′ 15″ E.

2. A *green fixed* light elevated 28 feet above high water, and visible from the bearing of N. 86° W., through north and east, to S. 4° W., is exhibited from a column surmounting an iron pile structure, painted red, erected at the junction of Song chang and Kua nam trieu, in approximately lat. 20° 56′ 21″ N., long. 106° 45′ 35″ E. (*Notice No. 359 of 1900.*)

(*Variation 2° Easterly in 1900.*)

This notice affects the following admiralty Charts :—Approaches to Haifong, No. 775 : Also List of Lights, part VI, 1900, page 110 ; and China Sea Directory, vol. II, 1899, page 441.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 23rd July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 182.

[Third Publication.]

CHINA SEA—SINGAPORE.

New Harbour—Renamed Keppel Harbour.

THE British Admiralty has given notice (No. 362 of 1900) that the Colonial Government changed the name of New harbour to Keppel harbour. This name has therefore been inserted on the Charts, in addition to that by which the harbour has been known up to the present ; but when the China Sea Directory, vol. 1, is again revised, the name of Keppel harbour will alone be used. (*Notice No. 362 of 1900.*)

Approximate position, lat. 1° 16′ N., long. 103° 50′ E.

This Notice affects the following Admiralty Charts :—Malacca strait, No. 1355 ; Banka strait to Singapore, No. 2757 ; cape Rachado to Singapore, No. 795 ; Singapore strait, Nos. 2403, 2404 ; Singapore roads, No. 1995 ; Singapore New harbour, No. 2023 : Also, China Sea Derectory, vol. I, 1896, page 207.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 23rd July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 183.

[Third Publication.]

EASTERN ARCHIPELAGO—GILLOLO PASSAGE.

Reported non-Existence of Erbe and Ardassier islands.

THE British Admiralty has given notice (No. 364 of 1900) that information has been received through the Board of Trade that the Master of the ship *City of Hancow* reports that on 4th January 1900, when working to windward in a north-easterly direction, in very clear weather, he passed over the positions of Erbe and Ardassier islands without seeing any sign of them, although the Catherine islands were distinctly seen from a distance of 20 miles.

Approximate position, Erbe island, lat. 0° 44′ N., long. 129° 12′ E.

As the reported positions of these islands has been passed over by other vessels in 1886 without their having been seen, they probably do not exist, and have therefore been erased from the Admiralty Charts. (*Notice No. 364 of 1900.*)

This Notice affects the following Admiralty Charts :—Eastern Archipelago, Nos. 942a, b : Also, Eastern Archipelago, part I, 1890, page 407.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 23rd July 1900.* *Asst. Secy., Marine Department.*

APPENDIX TO

The Calcutta Gazette.

WEDNESDAY, AUGUST 15, 1900.

NOTICES TO MARINERS.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 194.

[First Publication.]

JAPAN—Kiusiu.

Nagasaki harbour—Rocks in approaches.

The British Admiralty has given notice (No. 417 of 1900) of the existence of the undermentioned rocks in the approaches to Nagasaki harbour:—

1. Okinokarakasasone, a rock with a least depth over it of 4¾ fathoms, is situated with the south-east point of Takabokojima (in line with Io sima lighthouse) bearing No. 87° W., distant nine-tenths of a cable, and the islet off the south-west point of Nezumi sima N. 21° E.

   Approximate position, lat. 32° 43′ 5″ N., long. 129° 49′ 45″ E.
   This rock is 4 to 5 yards in extent and steep to.

2. Osone, a rock with a least depth of 4 fathoms over it, situated with Naginata saki lighthouse bearing S. 76° W., distant 7$\frac{6}{10}$ cables, and east extreme of Nezumi sima N. 18° W. This rock has depths of 4 to 7 fathoms over it, and lies in a S.S.W. and N.N.E. direction.

3. Kawarasone, a rock with a least depth of 6½ fathoms over it, situated with Chosu se (eastern rock) bearing S. 42° E., distant 2$\frac{8}{10}$ cables, and Uomi yama N. 63° E. This is a pinnacle rock with two heads and is steep to.

4. Okinosone, a rock with a least depth of 8 fathoms over it, situated with Tsuwabara zaki bearing S. 87° W., distant 4¾ cables, and Imori yama S. 10° E.

5. A small pinnacle rock with a depth of half a fathom over it, from which Goroye sima (the correct name of which is Tonosama yama jima) bears N. 59° E., distant half a cable, and Imori yama S. 58° E. There is a depth of 4 fathoms immediately outside this rock.

   The name Goroye sima, shown on the present Chart, should be transferred to the islet situated 1½ cables to the southward of it.

6. Tono dashi is a small rock with a least depth of 1¼ fathoms over it, situated with Imori yama bearing N. 45° E., distant 2$\frac{7}{10}$ cables, and Kajikake rock beacon N. 67° W. (*Notice No. 417 of 1900.*)

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Nagasaki harbour, Nos. 2415, 2815: Also, China Sea Directory, vol. IV, 1894, pages 500, 502; and Supplement, 1898, relating to that work, page 27.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 11th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 195.

[First Publication.]

AFRICA, EAST COAST—PUNGUE RIVER ENTRANCE.

Buoy—Shoal.

WITH reference to Notice to Mariners No. 127, dated 19th May last, issued by this office, the British Admiralty has given further notice (No. 419 of 1900) that the following information, dated 31st May 1900, respecting a new buoy and shoal in Pungue river entrance, has been received from Commander W. F. Tunnard, H.M.S. *Barossa*:—

(*a*) A black buoy, surmounted by staff and globe, has been moored about 2½ miles N. 88° W. of the fairway or outer buoy (*conical*, with staff and globe No. 2), to mark the southern edge of the 17-foot shoal.

Approximate position, lat. 19° 56′ 35″ S., long 34° 56′ 35″ E.

(*b*) A shoal, with a depth of 13 feet over it, is reported to exist at a distance of about 6 cables S. 74° W. from the above buoy, and with point Jea bearing N. 22° W., distant 7$\frac{1}{16}$ miles.

CAUTION.—As the banks and buoys are subject to change and alteration, local knowledge is absolutely necessary before attempting to enter. (*Notice No. 419 of 1900.*)

(*Variation 18° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—River Pungue, No. 1003: Also, Africa Pilot, part III, 1897, page 221.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 11th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 196.

[First Publication.]

JAPAN—SHIKOKU ISLAND.

Urado harbour light altered.

THE British Admiralty has given notice (No. 420 of 1900) that on 30th May 1900, a *white fixed* light of 140 candle power was exhibited on Riuzusaki, Urado (Urato) harbour.

Riuzusaki light is elevated 133 feet above high water, and visible, in clear weather, from a distance of 8 miles, from the bearing of N. 67° E., through north and west, to S. 10° E.; it is shown from a brick octagonal tower, 20 feet high, painted white, erected on the same spot as the former light, which has been discontinued. (*Notice No. 420 of 1900.*)

Approximate position, lat. 33° 29½′ N., long. 133° 34′ E.

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Van Diemen strait to Oosima, No. 1648; Seto uchi, No. 2875: Also, List of Lights, part VI, 1900, No. 887; and China Sea Directory, vol. IV, page 255.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 11th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 197.

[First Publication.]

PACIFIC OCEAN—SAMOA GROUP—SAVII ISLAND.

Mataatu harbour—Bank in approach.

THE British Admiralty has given notice (No. 424 of 1900) that information has been received from Commander H. Preedy, H.M.S. *Torch*, that, on entering Mataatu harbour, his vessel passed over a bank of small extent, on which a depth of 7 fathoms was obtained, with the church bearing S. 22° E., distant about 2 miles. (*Notice No. 424 of 1900.*)

Approximate position, lat. 13° 25′ S., long. 172° 21¼′ W.

(*Variation 9° Easterly in 1900.*

This Notice affects the following Admiralty Chart:—Samoa islands, No. 1730: Also, Pacific Islands, vol. II, 1891, page 79.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 11th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 198.

[First Publication.]

CHINA SEA—TONG KING GULF—HAIFONG APPROACHES.

Bancs d'Anam—Light exhibited.

THE British Admiralty has given notice (No. 427 of 1900) that a *white fixed* dioptric light of the 6th order is exhibited on the rocky shoals, called Bancs d'Anam, on the east bank of Kua nam Trieu, in the approaches to Haifong.

Bancs d'Anam light elevated 31 feet above high water, and visible from the bearing of N. 18° W., through north and east, to S. 42° W., is exhibited from two poles over an iron shed surmounting an iron pile structure, painted black, erected on the western edge of the shoals, in approximately lat. 20° 55′ 5″ N., long. 106° 45′ 35″ E. (*Notice No. 427 of 1900.*)

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Kua Lacht to Kao Tao shan islands, No. 1965; Approaches to Haifong, No. 775: Also, List of Lights, part VI, 1900, page 110; and China Sea Directory, vol. II, 1899, page 441.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 11th August 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 199.

[First Publication.]

AUSTRALIA, SOUTH COAST—PORT ALBERT ENTRANCE.

Alterations in channel, buoyage, &c.

WITH reference to Notice to Mariners No. 178 of 1899, the British Admiralty has given further notice (No. 431 of 1900) that Clonmel island has disappeared, and further alterations have taken and are taking place, specially during easterly winds, in the entrance to port Albert; frequent changes in the buoys are therefore necessary.

The outer entrance to the channel is at present marked by a fairway buoy, and the channel by red buoys on the starboard, and black buoys on the port side entering, which should be passed close to. (*Notice No. 431 of 1900.*)

Approximate position, Clonmel island, lat. 38° 45′ S., long. 146° 40½′ E.

This Notice affects the following Admiralty Chart:—Wilson promontory, No. 1703: Also, Australia Directory, vol. I, 1897, page 531.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 11th August 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 200.

[First Publication.]

AUSTRALIA—SOUTH CHANNEL, PORT CURTIS.

New tower and alteration of Gatcombe head lighthouse, and establishment of leading lights.

THE Port Master, Brisbane, has given notice (No. 11 of 1900) that it is intended to erect a new tower at Gatcombe Head about 450 feet North by East of the present tower. The tower will be 38 feet high, circular in shape, and painted white with a red dome. The light will be at an elevation of 122 feet above high water, and will be visible for 13 miles from a ship's deck in clear weather.

The red sector seawards will be discontinued. The light will be white between the bearings S. 29° W. and N. 70° W., also between N. 45° W. and N. 21° E.; red between N. 21° E. and N. 43° E.; to the northward of the latter bearing it will be white until obscured by the land, and between the bearings of N. 70° W. and N. 45° W. it will also be obscured.

LEADING LIGHTS, SOUTH CHANNEL.

Near the mouth of the Boyne River two leading lights will be shown, the front light from a skeleton tower 30 feet high, having a total elevation of 66 feet above high water, and the back light from a small square building situated on a hill at the back, at a total elevation of 121 feet above high water. Both structures are painted white, and the distance between them is 5,750 feet. The lights on these structures will be 4th order holophotes, and will be visible 12 and 14½ miles, respectively. These lights, forming the first lead, bear when in line S. 75° W.

The second line of leading lights is placed on the slope of the hill on the west side of Gatcombe Head. The front light is in a small house at an elevation of 32 feet above high water, and the back light on a skeleton tower 30 feet high, the total elevation of the light being 66 feet above high water.

It is anticipated that the lights for the South Channel will be ready for exhibition in August. Instructions for using the lights and further notice will be issued before they are exhibited.

Chart affected, 1900; Australia Directory, vol 2.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 11th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 201.

[First Publication.]

AUSTRALIA—TORRES STRAIT, INNER ROUTE.

Pipon islands—New lighthouse and removal of Channel Rock lightship.

THE Port Master, Brisbane, has given notice (No 12 of 1900) that it is intended to erect a skeleton iron tower on the South Islet of the Pipon Island Group carrying a lantern with 4th order dioptric light. The tower will be 60 feet high and the focal plain 55 feet above high water. The skeleton structure will be painted red, and the lantern white with a red dome. The light will be visible through an arc of 160 degrees, white between bearings of N. 72° W. (through South) to N. 53° E., red between N. 53° E. and N. 76° E., and white between N. 76° E. and N. 88° E., and will be intensified over an arc of 11 degrees through the Barrow Strait. The light will be visible 13 miles in clear weather.

It is expected that the light will be ready for exhibition about the 15th November 1900, when the lightship will be removed, further notice of which will be given.

Chart affected, 2922; Australia Directory, vol. 2.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 11th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 202.

[First Publication.]

PERSIAN GULF—BUSRAH BAR.

A new Busrah bar buoy laid.

IN continuation of Notice to Mariners No. 174, dated the 14th July last, issued by this office, the Acting British Vice-Consul at Bushire has given further notice that the Commander of the S.S. *Kilwa* reports that he has laid down a new Busrah bar buoy in lat. 29° 49′ N. and long. 48° 45′ E. in 12 feet low water springs with No. 2 (large cask) buoy bearing N. 46° W. magnetic, distance 5 miles.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 13th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 187.

[Second Publication.]

AUSTRALIA—Queensland—Cooktown approach—Lark Pass.

Beacons re-erected on Marx and Swinger reefs.

With reference to Notice to Mariners No. 11, dated 12th January last, issued by this office, the British Admiralty has given further notice (No. 398 of 1900) that the beacons on Marx reef (*red*) and on Swinger reef (*red and black*) have been re-erected; they have therefore been re-inserted on the Charts in their original positions. (*Notice No. 398 of 1900.*)

Approximate position, Marx reef, lat. 15° 12′ S., long. 145° 37′ E.

Ditto ditto Swinger reef, lat. 15° 14½′ S., long. 145° 32′ E.

This Notice affects the following Admiralty Chart:—Hope islands to Turtle group, No. 2923: Also, Australia Directory, vol. II, 1898, page 376.

E. J. Beaumont *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 3rd August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 188.

[Second Publication.]

CHINA—Min river.

Rocky point—Beacon erected.

The British Admiralty has given notice (No. 399 of 1900) that a red spar beacon surmounted by a cage about 13 feet above high water, on which the words "Rocky point" are painted, has been erected about 30 yards from the outer extremity of a ledge of rocks about half way between Tunui and Tintao, river Min; it is situated with Half Tide beacon bearing N. 72° E., distant 8 cables, and Kaului head S. 25° E. (*Notice No. 399 of 1900.*)

Approximate position, lat. 26° 5′ 30″ N., long. 119° 31′ 30″ E.

This Notice affects the following Admiralty Chart:—River Min, No. 2400: Also, China Sea Directory, vol. III, 1894, page 285; and Supplement, 1898, relating to that work, page 23.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 3rd August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 189.

[Second Publication.]

AFRICA, SOUTH—Cape Colony—Simons bay.

Rambler rock—Particulars and position.

The British Admiralty has given notice (No. 401 of 1900) of the existence of a rocky patch, named Rambler rock, with a depth of 27 feet over it, situated with Roman rocks lighthouse bearing N. 31° W., distant $2\frac{9}{10}$ cables, and Noah's Ark S. 77° E. (*Notice No. 401 of 1900.*)

Approximate position, lat. 34° 11′ 0″ S., long. 18° 27′ 55″ E.

(*Variation 29° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Table bay to cape Agulhas, No. 2082; cape of Good Hope, &c., No. 636; Simons bay, No. 1849: Also, Africa Pilot, part II, 1893, page 385, part III, 1897, page 73.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 3rd August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 190.

[Second Publication.]

PACIFIC OCEAN—THE PHILIPPINES—LUZON, SOUTH COAST.

Marinduque island—Shoal on west coast.

THE British Admiralty has given notice (No. 410 of 1900) that a shoal of 4½ fathoms is reported to exist where the Charts show a depth of 46 fathoms, northward of the river Buak, Marinduque island.

Approximate position, lat. 13° 28′ N., long. 121° 49′ E.

The depth of 46 fathoms has therefore been replaced on the Charts by a shoal of 4½ fathoms. (*Notice No. 410 of 1900.*)

This Notice affects the following Admiralty Charts:—China sea, No. 2661b; Philippine islands, No. 943; St. Bernardino and Mindoro strait, No. 2577: Also, Eastern Archipelag, part I, 1890, page 303.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 3rd August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 191.

[Second Publication.]

PACIFIC OCEAN—THE PHILIPPINES—PANAY.

San José de Buenavista—Coral reef off the south extreme.

THE British Admiralty has given notice (No. 411 of 1900) that a coral reef, 20 yards in diameter and with a depth over it of 17 feet at low water, is reported to exist three-quarters of a mile southward of the south extreme of the point on which San José de Buenavista is situated.

Approximate position, lat. 10° 44′ N., long. 121° 54½′ E.

There is a depth of 7 fathoms inside, and 9 fathoms outside, the reef. (*Notice No. 411 of 1900.*)

This Notice affects the following Admiralty Chart:—Sulu Sea, No. 2578: Also, Eastern Archipelago, part I, 1890, page 212.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 3rd August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 192.

[Second Publication.]

PACIFIC OCEAN—PHILIPPINE ISLANDS—MAKTAN ISLAND.

Shoal off point Lanis, port Sebu.

THE British Admiralty has given notice (No. 412 of 1900) that a coral shoal of about 20 yards in diameter, and with a depth over it of 11 feet at low water, is reported to exits about a quarter of a mile S.W. of Lanis point, port Sebu. (*Notice No. 412 of 1900.*)

Approximate position, lat. 10° 14′ 0″ N., long. 123° 53′ 0″ E.

(*Variation 1° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—Port Sebu, No. 2391: Also, Eastern Archipelago, part I, 1890, page 258; and Revised Supplement, 1898, page 63, relating to that work.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 3rd August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 193.

[Second Publication.]

PACIFIC OCEAN,—SUMATRA, WEST COAST—BATU ISLANDS.

Particulars of Treba island and Lago islet.

THE British Admiralty has given notice (No. 413 of 1900) that the following islands are reported to exist between Tanah Masa and Pulo Pinie, Batu islands:—

a. An island, named Treba, on which there are cocoanut palms, to the eastward of Bai, in approximately lat. 0° 3′ 20″ S., long. 98° 34′ 40″ E.

b. A small islet has formed on the reef westward of Lago, in approximately lat. 0° 2′ 0″ N., long. 98° 25′ 20″ E. (*Notice No. 413 of 1900.*)

This Notice affects the following Admiralty Chart:—Acheh head to Tyingkok bay, No. 2760: Also, China Sea Directory, vol. I, 1896, pages 323, 324.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 3rd August 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 184.

[Third Publication.]

AUSTRALIA, SOUTH—SPENCER GULF, WESTERN APPROACH.

A heavy break, S. S. W. from Liguanea island.

THE President, Marine Board, Port Adelaide, has given notice (No. 5 of 1900) that the Master of the ketch *Sea Flower* reports having observed a heavy break S. S. W. from Liguanea Island (approximate latitude 35° 13′ S., longitude 135° 30′ E).

There was a heavy ground swell at the time, and the break occurred every five or six minutes.

The danger above referred to is in the track of vessels trading between South Australia and Western Australia, and until a further examination of the locality can be made a careful lookout should be kept by masters of vessels in the vicinity.

This affects Admiralty Chart No. 1061.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 28th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 185.

[Third Publication.]

JAPAN—LIU KIU ISLANDS.

Naha—A conspicuous tree removed.

THE British Admiralty has given notice (No. 383 of 1900) that the conspicuous tree on Naganmi yama, which formed one of the leading marks into Naha harbour, has disappeared; it has therefore been erased from the Charts. (*Notice No. 383 of 1900.*)

Approximate position, lat. 26° 10′ 50″ N., long. 127° 42′ 55″ E.

This Notice affects the following Admiralty Chart:—Naha roads, No. 990; Also, China Sea Directory, vol. IV, 1894, page 219.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 28th July 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 186.

[Third Publication.]

PACIFIC OCEAN—THE PHILIPPINES—LUZON, NORTH-EAST COAST.

Pinagnapan island—Rock to the north-west.

THE British Admiralty has given notice (No. 384 of 1900) of the existence of a rock surrounded by a reef about 2 miles N.W. of Pinagnapan island, Kalaguas islands. The reef is about 2 miles in extent. (*Notice No. 384 of 1900.*)

Approximate position, lat. 14° 33′ N., long. 122° 47½′ E.

(*Variation Nil in 1900.*)

This Notice affects the following Admiralty Charts :—Philippine islands, No. 943 ; St. Bernardino and Mindoro straits, No. 2577 : Also, Eastern Archipelago, part I, 1900, page 338 ; and Revised Supplement, 1898, relating to that work, page 68.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

CALCUTTA, *the 28th July 1900.*

C. B. BAYLEY,
Asst. Secy., Marine Department.

APPENDIX TO

The Calcutta Gazette.

WEDNESDAY, AUGUST 22, 1900.

NOTICES TO MARINERS.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 203.

[First Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

Kurnafully river—Depth of water found in the channels.

THE Port Officer, Chittagong, has given notice that the following depths of water were found in the river channels by soundings taken on the 11th August, and reduced to zero :—

	FT.	IN.
Track No. 1—Outer bar—		
Disc in the centre between diamond and mast with white and black casks	11	0
Disc on mast with white and black casks	8	0
Track No. 2—Inner bar—		
Disc on diamond	10	6
Disc on mast with white and black casks	10	0
Disc in the centre between diamond and mast with white and black casks	9	9
Track No. 3—		
Tripod on with cross and ball	18	0
Track No. 4—		
Triangle on with mast with white and black casks	22	0
Track No. 5—Guptakhali crossing—		
Tripod on diamond	20	0
Centre	18	0

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 18th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 204.

[First Publication.]

EASTERN ARCHIPELAGO—SUMATRA, WEST COAST.

Singkel approach—Reefs.

THE British Admiralty has given notice (*No. 441 of 1900*) of the existence of the following coral reefs to the southward of Singkel :—

A reef, about 400 yards in diameter, with a least depth of 2 fathoms over it, in approximately lat. 2° 8′ 5″ N., long. 97° 55′ 5″ E.

About half a mile westward of the above is another reef about 400 yards long, N.N.W. S.S.E., with a least depth of 2 fathoms over it. (*Notice No. 441 of 1900.*)

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—Acheh head to Tyingkok bay, No. 2760: Also, China Sea Directory, vol. I, 1896, page 283.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 18th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 205.

[First Publication.]

AFRICA, EAST COAST—DELAGOA BAY.

Reported magnetic disturbance.

THE following Notice to Mariners (*No. 442 of 1900*) is republished:—

Recent observations point to a considerable local magnetic disturbance in different parts of Delagoa bay, the variation at Lorenzo Marques and in English river for the year 1900 being about 23° 15′ W., while at Timpson point, Shefina island, it is 20° 55′, and at Gibbon point, Elephant island, about 20° only.

Observations by swinging at sea off this place also point to the probability of the variation off this part of the coast being less than that given on Variation Chart by about 1½°, but sufficient data has not yet been received to enable the Chart to be corrected. (*Notice No. 442 of 1900.*)

This Notice affects the following Admiralty Charts:—Delagoa bay, No. 644; port Melville, No. 645: Also, Africa Pilot, part III, 1897, pages 156-189.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 18th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 206.

[First Publication.]

JAPAN—KIUSIU, WEST COAST.

Sumo Nada—Reefs.

THE British Admiralty has given notice (*No. 446 of 1900*) of the existence of the undermentioned reefs off Ike sima and Matsu sima, Sumo Nada:—

1. Mayezone, a rock with a least depth over it of 3¾ fathoms, is situated with the north point of Ike sima bearing S. 72° E., distant 5⅕ cables, and the west point of the same island S. 33° W.
   Approximate position, lat. 33° 53′ 20″ N., long. 129° 35′ 30″ E.
   This rock is steep to.
2. Fukazone, a rock with a least depth of 2¾ fathoms over it, situated with the westernmost of the two south points of Matsu sima bearing N. 75° E., distant 2½ cables, and west extreme of the same island N. 32° W. This rock is steep to outside, and extends about half a cable in a north and south direction. (*Notice No. 446 of 1900.*)

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Nagasaki to Karatsu, No. 359: Also, China Sea Directory, vol. IV, 1894, page 500; and Supplement, 1898, relating to that work, page 72.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 18th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 207.

[First Publication.]

PACIFIC OCEAN—TONGA ISLAND.

Falcon shoal showing above water.

WITH reference to Notice to Mariners No. 209, dated the 27th September 1898, issued by this Office, the British Admiralty has given further notice (*No. 447 of 1900*) that further information, dated 16th April 1900, has been received from Commander A. H. D. Ravenhill, H. M. S. *Porpoise*, that the shoal to which Falcon island has been reduced is now showing above water at its northern end. (*Notice No. 447 of 1900.*)

Approximate position, lat. 20° 18′ 40″ S., long. 175° 25′ 0″ W.

This Notice affects the following Admiralty Charts:—Fiji to Samoa islands, No. 1829; Tonga or Friendly islands, No. 2421; Anchorages in Tonga islands, No. 1385: Also, Pacific islands, vol. II, 1891, page 40.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 18th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 208.

[First Publication.]

JAPAN—KIUSIU.

Hirado no seto—Rocks in southern approach.

THE British Admiralty has given notice (*No. 448 of 1900*) of the existence of the undermentioned rocks in the southern approach to Hirado no seto:—

1. Zingorosone, a rock with a depth over it of 4½ fathoms, situated with Ukise bearing S. 54° W., distant 7 cables.
   Approximate position, lat. 33° 9′ 10″ N., long. 129° 37′ 45″ E.
2. Bakuchinookinoishi, a rock with a depth of 3¾ fathoms over it, situated with 517-foot hill bearing N. 21° E., distant about $1\frac{3}{10}$ miles.
   Approximate position, lat. 33° 12′ 5″ N., long. 129° 33′ 55″ E.
3. Nojimanookinoishi, a rock with a depth of 3¾ fathoms over it, situated with 517-foot hill bearing N. 46° E., distant $1\frac{3}{10}$ miles.

Approximate position, lat. 33° 12′ 25″ N., long. 129° 33′ 30″ E. (*Notice No. 448 of 1900.*)

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Nagasaki to Karatsu, No. 359; Matsu sima to Atsusi no osima, No. 140: Also, China Sea Directory, vol. IV, 1894, page 515; and Supplement, 1898, relating to that work, page 27.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 18th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 209.

[First Publication.]

PACIFIC OCEAN—LUZON, NORTH COAST.

Dedikas rocks—Volcanic disturbance.

THE British Admiralty has given notice (*No. 449 of 1900*) that the Master of the S.S. *Leelanaw* reports that on 1st April 1900, on passing at a distance of about 3 miles, large clouds of steam were seen issuing from the Dedikas rocks. (*Notice No. 449 of 1900.*)

Approximate position, Dedikas rocks, lat. 19° 3′ N., long. 122° 9′ E.

This Notice affects the following Admiralty Chart:—Luzon island, No. 2454: Also, China Sea Directory, vol. III, 1894, page 227.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 18th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 210.

[First Publication.]

JAPAN, INLAND SEA—Iyo nada.

Kamoji rock—Particulars and position.

The British Admiralty has given notice (*No. 450 of 1900*) that an isolated reef, named Kamoji, with a depth of 4 fathoms over it at low-water springs, is reported to exist in Iyo nada, with Katayama sima summit bearing N. 16° W., distant about $2\frac{7}{10}$ miles, and O Ishi summit N. 75° E.

Approximate position, lat. 33° 52′ 50″ N., long. 132° 28′ 30″ E.

This rock has depths of from 20 to 30 fathoms around it. (*Notice No. 450 of 1900.*)

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Seto uchi or Inland sea, No. 2875; Misima Nada and Iyo Nada, No. 83: Also, China Sea Directory, vol. IV, 1894, page 423.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 18th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 211.

[First Publication.]

JAPAN—Kiusiu, west coast.

Miye no ura—Rocks in approach.

The British Admiralty has given notice (*No. 453 of 1900*) of the existence of the undermentioned rocks in the approach to Miye no ura:—

1. Orise, a rock with a depth over it of one fathom, is situated with No oze (outer rock) bearing S. 78° E., distant 8 cables, and 1090-foot hill (northward of Miye mura) N. 34° E.
   Approximate position, lat. 32° 48′ 30″ N., long. 129° 42′ 50″ E.
2. Ongame, a rock with a depth of $3\frac{1}{2}$ fathoms over it, situated with No oze bearing S. 80° W., distant 10 cables, and 1090-foot hill N. 16° W. (*Notice No. 453 of 1900.*)

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Nagasaki to Karatsu, No. 359: Also, China Sea Directory, vol. IV, 1894, page 500; and Supplement, 1898, relating to that work, page 27.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 18th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 212.

[First Publication.]

NEW ZEALAND—Port Nicholson.

Somes island light—Position and sectors.

With reference to Notice to Mariners No. 83, dated 31st March 1900, issued by this office, the British Admiralty has given further notice (*No. 455 of 1900*) that the new light on Somes island is in the same position as the old one, or about 2 cables S. 6° W. from the Quarantine station; it is elevated 95 feet above the sea, and visible, in clear weather, from a distance of 16 miles, showing *white* from the bearing N. 6° W. to N. 3° W., *red* from N. 3° W, through north, to N. 15° E., *white* from N. 15° E, through east, to S. 88° E., obscured from S. 88° E., through south and west, to N. 77° W, *white* from N. 77° W. to N. 24° W., and *green* from N. 24° W. to N. 6° W. (*Notice No 455 of 1900.*)

Approximate position, lat. 41° 15½′ S., long. 174° 52′ E.

(*Variation 15° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—Port Nicholson, No. 1423: Also, List of Lights, part VI, 1900, No. 1426; and New Zealand Pilot, 1891, page 171.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 18th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 194.

[Second Publication.]

JAPAN—KIUSIU.

Nagasaki harbour—Rocks in approaches.

THE British Admiralty has given notice (No. 417 of 1900) of the existence of the undermentioned rocks in the approaches to Nagasaki harbour:—

1. Okinokarakasasone, a rock with a least depth over it of 4¾ fathoms, is situated with the south-east point of Takabokojima (in line with Io sima lighthouse) bearing No. 87° W., distant nine-tenths of a cable, and the islet off the south-west point of Nezumi sima N. 21° E.
   Approximate position, lat. 32° 43′ 5″ N., long. 129° 49′ 45″ E.
   This rock is 4 to 5 yards in extent and steep to.
2. Osone, a rock with a least depth of 4 fathoms over it, situated with Naginata saki lighthouse bearing S. 76° W., distant 7$\frac{6}{10}$ cables, and east extreme of Nezumi sima N. 18° W. This rock has depths of 4 to 7 fathoms over it, and lies in a S.S.W. and N.N.E. direction.
3. Kawarasone, a rock with a least depth of 6½ fathoms over it, situated with Chosu se (eastern rock) bearing S. 42° E., distant 2$\frac{9}{10}$ cables, and Uomi yama N. 63° E. This is a pinnacle rock with two heads and is steep to.
4. Okinosone, a rock with a least depth of 8 fathoms over it, situated with Tsuwabara zaki bearing S. 87° W., distant 4¾ cables, and Imori yama S. 10° E.
5. A small pinnacle rock with a depth of half a fathom over it, from which Goroye sima (the correct name of which is Tonosama yama jima) bears N. 59° E., distant half a cable, and Imori yama S. 58° E. There is a depth of 4 fathoms immediately outside this rock.
   The name Goroye sima, shown on the present Chart, should be transferred to the islet situated 1½ cables to the southward of it.
6. Tono dashi is a small rock with a least depth of 1½ fathoms over it, situated with Imori yama bearing N. 45° E., distant 2$\frac{7}{10}$ cables, and Kajikake rock beacon N. 67° W. (*Notice No. 417 of 1900.*)

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Nagasaki harbour, Nos. 2415, 2815: Also, China Sea Directory, vol. IV, 1894, pages 500, 502; and Supplement, 1898, relating to that work, page 27.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 11th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 195.

[Second Publication.]

AFRICA, EAST COAST—PUNGUE RIVER ENTRANCE.

Buoy—Shoal.

WITH reference to Notice to Mariners No. 127, dated 19th May last, issued by this office, the British Admiralty has given further notice (No. 419 of 1900) that the following information, dated 31st May 1900, respecting a new buoy and shoal in Pungue river entrance, has been received from Commander W. F. Tunnard, H.M.S. *Barossa*:—

(*a*) A black buoy, surmounted by staff and globe, has been moored about 2½ miles N. 88° W. of the fairway or outer buoy (*conical*, with staff and globe No. 2), to mark the southern edge of the 17-foot shoal.
Approximate position, lat. 19° 56′ 35″ S., long 34° 56′ 35″ E.

(*b*) A shoal, with a depth of 13 feet over it, is reported to exist at a distance of about 6 cables S. 74° W. from the above buoy, and with point Jea bearing N. 22° W., distant 7$\frac{1}{10}$ miles.

CAUTION.—As the banks and buoys are subject to change and alteration, local knowledge is absolutely necessary before attempting to enter. (*Notice No. 419 of 1900.*)

(*Variation 18° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—River Pungue, No. 1003: Also, Africa Pilot, part III, 1897, page 221.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 11th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 196.

[Second Publication.]

JAPAN—SHIKOKU ISLAND.

Urado harbour light altered.

THE British Admiralty has given notice (No. 420 of 1900) that on 30th May 1900, a *white fixed* light of 140 candle power was exhibited on Riuzusaki, Urado (Urato) harbour.

Riuzusaki light is elevated 133 feet above high water, and visible, in clear weather, from a distance of 8 miles, from the bearing of N. 67° E., through north and west, to S. 10° E.; it is shown from a brick octagonal tower, 20 feet high, painted white, erected on the same spot as the former light, which has been discontinued. (*Notice No. 420 of 1900.*)

Approximate position, lat. 33° 29½′ N., long. 133° 34′ E.

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Van Diemen strait to Gosima, No. 1648; Seto uchi, No. 2875: Also, List of Lights, part VI, 1900, No. 837; and China Sea Directory, vol. IV, page 255.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 11th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 197.

[Second Publication.]

PACIFIC OCEAN—SAMOA GROUP—SAVII ISLAND.

Mataatu harbour—Bank in approach.

THE British Admiralty has given notice (No. 424 of 1900) that information has been received from Commander H. Preedy, H.M.S. *Torch*, that, on entering Mataatu harbour, his vessel passed over a bank of small extent, on which a depth of 7 fathoms was obtained, with the church bearing S. 22° E., distant about 2 miles. (*Notice No. 424 of 1900.*)

Approximate position, lat. 13° 25′ S., long. 172° 21¼′ W.

(*Variation 9° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—Samoa islands, No. 1730: Also, Pacific Islands, vol. II, 1891, page 79.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 11th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 198.

[Second Publication.]

CHINA SEA—TONG KING GULF—HAIFONG APPROACHES.

Banes d'Anam—Light exhibited.

THE British Admiralty has given notice (No. 427 of 1900) that a *white fixed* dioptric light of the 6th order is exhibited on the rocky shoals, called Banes d'Anam, on the east bank of Kua nam Trieu, in the approaches to Haifong.

Banes d'Anam light elevated 31 feet above high water, and visible from the bearing of N. 18° W., through north and east, to S. 42° W., is exhibited from two poles over an iron shed surmounting an iron pile structure, painted black, erected on the western edge of the shoals, in approximately lat. 20° 55′ 5″ N., long. 106° 45′ 35″ E. (*Notice No. 427 of 1900.*)

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Kua Lacht to Kao Tao shan islands, No. 1965; Approaches to Haifong, No. 775: Also, List of Lights, part VI, 1900, page 110; and China Sea Directory, vol. II, 1899, page 441.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 11th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 199.

[Second Publication.]

AUSTRALIA, SOUTH COAST—PORT ALBERT ENTRANCE.

Alterations in channel, buoyage, &c.

WITH reference to Notice to Mariners No. 178 of 1899, the British Admiralty has given further notice (No. 431 of 1900) that Clonmel island has disappeared, and further alterations have taken and are taking place, specially during easterly winds, in the entrance to port Albert; frequent changes in the buoys are therefore necessary.

The outer entrance to the channel is at present marked by a fairway buoy, and the channel by red buoys on the starboard, and black buoys on the port side entering, which should be passed close to. (*Notice No. 431 of 1900.*)

Approximate position, Clonmel island, lat. 38° 45′ S., long. 146° 40½′ E.

This Notice affects the following Admiralty Chart:—Wilson promontory, No. 1703: Also, Australia Directory, vol. I, 1897, page 531.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 11th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 200.

[Second Publication.]

AUSTRALIA—SOUTH CHANNEL, PORT CURTIS.

New tower and alteration of Gatcombe head lighthouse, and establishment of leading lights.

THE Port Master, Brisbane, has given notice (No. 11 of 1900) that it is intended to erect a new tower at Gatcombe Head about 450 feet North by East of the present tower. The tower will be 38 feet high, circular in shape, and painted white with a red dome. The light will be at an elevation of 122 feet above high water, and will be visible for 13 miles from a ship's deck in clear weather.

The red sector seawards will be discontinued. The light will be white between the bearings S. 29° W. and N. 70° W., also between N. 45° W. and N. 21° E.; red between N. 21° E. and N. 43° E.; to the northward of the latter bearing it will be white until obscured by the land, and between the bearings of N. 70° W. and N. 45° W. it will also be obscured

LEADING LIGHTS, SOUTH CHANNEL.

Near the mouth of the Boyne River two leading lights will be shown, the front light from a skeleton tower 30 feet high, having a total elevation of 66 feet above high water, and the back light from a small square building situated on a hill at the back, at a total elevation of 121 feet above high water. Both structures are painted white, and the distance between them is 5,750 feet. The lights on these structures will be 4th order holophotes, and will be visible 12 and 14½ miles, respectively. These lights, forming the first lead, bear when in line S. 75° W.

The second line of leading lights is placed on the slope of the hill on the west side of Gatcombe Head. The front light is in a small house at an elevation of 32 feet above high water, and the back light on a skeleton tower 30 feet high, the total elevation of the light being 66 feet above high water.

It is anticipated that the lights for the South Channel will be ready for exhibition in August. Instructions for using the lights and further notice will be issued before they are exhibited.

Chart affected, 1900; Australia Directory, vol 2.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 11th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 201.

[Second Publication.]

AUSTRALIA—TORRES STRAIT, INNER ROUTE.

Pipon islands—New lighthouse and removal of Channel Rock lightship.

THE Port Master, Brisbane, has given notice (No. 12 of 1900) that it is intended to erect a skeleton iron tower on the South islet of the Pipon Island Group carrying a lantern with

4th order dioptric light. The tower will be 60 feet high and the focal plain 55 feet above high water. The skeleton structure will be painted red, and the lantern white with a red dome. The light will be visible through an arc of 160 degrees, white between bearings of N. 72° W. (through South) to N. 53° E., red between N. 53° E. and N. 76° E., and white between N. 76° E. and N. 88° E., and will be intensified over an arc of 11 degrees through the Barrow Strait. The light will be visible 13 miles in clear weather.

It is expected that the light will be ready for exhibition about the 15th November 1900, when the lightship will be removed, further notice of which will be given.

Chart affected, 2922; Australia Directory, vol. 2.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 11th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 202.

[Second Publication.]

PERSIAN GULF—BUSRAH BAR.

A new Busrah bar buoy laid.

IN continuation of Notice to Mariners No. 174, dated the 14th July last, issued by this office, the Acting British Vice-Consul at Bushire has given further notice that the Commander of the S S. *Kilwa* reports that he has laid down a new Busrah bar buoy in lat. 29° 49′ N. and long. 48° 45′ E. in 12 feet low water springs with No. 2 (large cask) buoy bearing N. 46° W. magnetic, distance 5 miles.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst Secy., Marine Department.

CALCUTTA, *the 13th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 187.

[Third Publication.]

AUSTRALIA—QUEENSLAND—COOKTOWN APPROACH—LARK PASS.

Beacons re-erected on Marx and Swinger reefs.

WITH reference to Notice to Mariners No. 11, dated 12th January last, issued by this office, the British Admiralty has given further notice (No. 398 of 1900) that the beacons on Marx reef (*red*) and on Swinger reef (*red and black*) have been re-erected; they have therefore been re-inserted on the Charts in their original positions. (*Notice No. 398 of 1900.*)

Approximate position, Marx reef, lat. 15° 12′ S., long. 145° 37′ E.

Ditto ditto Swinger reef, lat. 15° 14½′ S., long. 145° 32′ E.

This Notice affects the following Admiralty Chart:—Hope islands to Turtle group, No. 2923: Also, Australia Directory, vol. II, 1898, page 376.

E. J. BEAUMONT *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 3rd August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 188.

[Third Publication.]

CHINA—MIN RIVER.

Rocky point—Beacon erected.

THE British Admiralty has given notice (No. 399 of 1900) that a red spar beacon surmounted by a cage about 13 feet above high water, on which the words "Rocky point" are painted, has been erected about 30 yards from the outer extremity of a ledge of rocks

about half way between Tunui and Tintao, river Min; it is situated with Half Tide beacon bearing N. 72° E., distant 8 cables, and Kaului head S. 25° E. (*Notice No. 399 of 1900.*)

Approximate position, lat. 26° 5′ 30″ N., long. 119° 31′ 30″ E.

This Notice affects the following Admiralty Chart:—River Min, No. 2400: Also, China Sea Directory, vol. III, 1894, page 285; and Supplement, 1898, relating to that work, page 23.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 3rd August 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 189.

[Third Publication.]

AFRICA, SOUTH—CAPE COLONY—SIMONS BAY.

Rambler rock—Particulars and position.

THE British Admiralty has given notice (No. 401 of 1900) of the existence of a rocky patch, named Rambler rock, with a depth of 7 feet over it, situated with Roman rocks lighthouse bearing N. 31° W., distant 2$\frac{2}{10}$ cables, and Noah's Ark S. 77° E. (*Notice No. 401 of 1900.*)

Approximate position, lat. 34° 11′ 0″ S., long. 18° 27′ 55″ E.

(*Variation 29° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Table bay to cape Agulhas, No. 2082; cape of Good Hope, &c., No. 636; Simons bay, No. 1849: Also, Africa Pilot, part II, 1893, page 385, part III, 1897, page 73.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 3rd August 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 190.

[Third Publication.]

PACIFIC OCEAN—THE PHILIPPINES—LUZON, SOUTH COAST.

Marinduque island—Shoal on west coast.

THE British Admiralty has given notice (No. 410 of 1900) that a shoal of 4½ fathoms is reported to exist where the Charts show a depth of 46 fathoms, northward of the river Buak, Marinduque island.

Approximate position, lat. 13° 28′ N., long. 121° 49′ E.

The depth of 46 fathoms has therefore been replaced on the Charts by a shoal of 4½ fathoms. (*Notice No. 410 of 1900.*)

This Notice affects the following Admiralty Charts:—China sea, No. 2661b; Philippine islands, No. 943; St. Bernardino and Mindoro strait, No. 2577: Also, Eastern Archipelago, part I, 1890, page 303.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 3rd August 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 191.

[Third Publication.]

PACIFIC OCEAN—THE PHILIPPINES—PANAY.

San José de Buenavista—Coral reef off the south extreme.

THE British Admiralty has given notice (No. 411 of 1900) that a coral reef, 20 yards in diameter and with a depth over it of 17 feet at low water, is reported to exist three-quarters of a mile southward of the south extreme of the point on which San José de Buenavista is situated.

Approximate position, lat. 10° 44′ N., long. 121° 54½′ E.

There is a depth of 7 fathoms inside, and 9 fathoms outside, the reef. (*Notice No. 411 of 1900.*)

This Notice affects the following Admiralty Chart:—Sulu Sea, No. 2578: Also, Eastern Archipelago, part I, 1890, page 212.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 3rd August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 192.

[Third Publication.]

PACIFIC OCEAN—PHILIPPINE ISLANDS—MAKTAN ISLAND.

Shoal off point Lanis, port Sebu.

THE British Admiralty has given notice (No. 412 of 1900) that a coral shoal of about 20 yards in diameter, and with a depth over it of 11 feet at low water, is reported to exist about a quarter of a mile S.W. of Lanis point, port Sebu. (*Notice No. 412 of 1900.*)

Approximate position, lat. 10° 14′ 0″ N., long. 123° 53′ 0″ E.

(*Variation 1° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—Port Sebu, No. 2391: Also, Eastern Archipelago, part I, 1890, page 258; and Revised Supplement, 1898, page 63, relating to that work.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 3rd August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 193.

[Third Publication.]

PACIFIC OCEAN,—SUMATRA, WEST COAST—BATU ISLANDS.

Particulars of Treba island and Lago islet.

THE British Admiralty has given notice (No. 413 of 1900) that the following islands are reported to exist between Tanah Masa and Pulo Pinie, Batu islands:—

a. An island, named Treba, on which there are cocoanut palms, to the eastward of Bai, in approximately lat. 0° 3′ 20″ S., long. 98° 34′ 40″ E.

b. A small islet has formed on the reef westward of Lago, in approximately lat. 0° 2′ 0″ N., long. 98° 25′ 20″ E. (*Notice No. 413 of 1900.*)

This Notice affects the following Admiralty Chart:—Acheh head to Tyingkok bay, No. 2760: Also, China Sea Directory, vol. I, 1896, pages 323, 324.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 3rd August 1900.*

APPENDIX TO

The Calcutta Gazette.

WEDNESDAY, AUGUST 29, 1900.

NOTICES TO MARINERS.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 213.

[First Publication.]

INDIA, WEST—BOMBAY COAST.

Victoria and Princes dock—Time signal altered.

THE British Admiralty has given notice (No. 458 of 1900) that the time signal made at the clock tower at Victoria and Princes dock has been altered, and the ball will in future be dropped at 15 hrs. 0 m. 0 s. Greenwich mean time, or 7 hrs. 51 m. 15·7 s. A.M. local mean time; in case of failure a flag will be immediately hoisted and the ball be dropped at 16 hrs. 0 m. 0 s. G.M T. or 8 hrs. 51 m. 15·7 s. A.M. local mean time.

The ball at Bombay Castle will continue to be dropped as usual at 1 P.M. local mean time

Approximate position of the time signal station clock tower lat. 18° 57′ 13″ N., long. 72° 50′ 46″ E. (*Notice No. 458 of 1900.*)

This Notice affects the following Admiralty Chart:—Port of Bombay, No. 655: Also, List of Time Signals, 1898, page 17; and West Coast of Hindustan Pilot, 1898, page 206.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 24th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT

NOTICE TO MARINERS—No. 214.

[First Publication.]

BAY OF BENGAL—ORISSA COAST.

Shortt's island lighthouse.

OWING to the sudden erosion of Shortt's island, endangering the structure of the lighthouse, this light will not be exhibited on and after the 31st August, when the lighthouse will be dismantled.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 27th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 203.

[Second Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

Kurnafully river—Depth of water found in the channels.

THE Port Officer, Chittagong, has given notice that the following depths of water were found in the river channels by soundings taken on the 11th August, and reduced to zero:—

	Ft.	in.
Track No. 1—Outer bar—		
Disc in the centre between diamond and mast with white and black casks	11	0
Disc on mast with white and black casks	8	0
Track No. 2—Inner bar—		
Disc on diamond	10	6
Disc on mast with white and black casks	10	0
Disc in the centre between diamond and mast with white and black casks	9	9
Track No. 3—		
Tripod on with cross and ball	18	0
Track No. 4—		
Triangle on with mast with white and black casks	22	0
Track No. 5—Guptakhali crossing—		
Tripod on diamond	20	0
Centre	18	0

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 18th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 204.

[Second Publication.]

EASTERN ARCHIPELAGO—SUMATRA, WEST COAST.

Singkel approach—Reefs.

THE British Admiralty has given notice (*No. 441 of 1900*) of the existence of the following coral reefs to the southward of Singkel:—

A reef, about 400 yards in diameter, with a least depth of 2 fathoms over it, in approximately lat 2° 8′ 5″ N., long 97° 55′ 5″ E.

About half a mile westward of the above is another reef about 400 yards long, N.N.W. S.S.E., with a least depth of 2 fathoms over it. (*Notice No. 441 of 1900.*)

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—Acheh head to Tyingkok bay, No. 2760: Also, China Sea Directory, vol. I, 1896, page 283.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 18th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 205.

[Second Publication.]

AFRICA, EAST COAST—DELAGOA BAY.

Reported magnetic disturbance.

THE following Notice to Mariners (*No. 442 of 1900*) is republished:—

Recent observations point to a considerable local magnetic disturbance in different parts of Delagoa bay, the variation at Lorenzo Marques and in English river for the year 1900 being about 23° 15′ W., while at Timpson point, Shefina island, it is 20° 55′, and at Gibbon point, Elephant island, about 20° only.

Observations by swinging at sea off this place also point to the probability of the variation off this part of the coast being less than that given on Variation Chart by about $1\frac{1}{2}°$, but sufficient data has not yet been received to enable the Chart to be corrected. (*Notice No. 442 of 1900.*)

This Notice affects the following Admiralty Charts :—Delagoa bay, No. 644; port Melville, No. 645: Also, Africa Pilot, part III, 1897, pages 156-189.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY
CALCUTTA, *the 18th August 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 206.

[Second Publication.]

JAPAN—KIUSIU, WEST COAST.

Sumo Nada—Reefs.

THE British Admiralty has given notice (*No. 446 of 1900*) of the existence of the undermentioned reefs off Ike sima and Matsu sima, Sumo Nada:—

1. Mayezone, a rock with a least depth over it of $3\frac{3}{4}$ fathoms, is situated with the north point of Ike sima bearing S. 72° E., distant $5\frac{1}{5}$ cables, and the west point of the same island S. 33° W.
   Approximate position, lat. 33° 53′ 20″ N., long. 129° 35′ 30″ E.
   This rock is steep to.
2. Fukazone, a rock with a least depth of $2\frac{3}{4}$ fathoms over it, situated with the westernmost of the two south points of Matsu sima bearing N. 75° E., distant $2\frac{1}{2}$ cables, and west extreme of the same island N. 32° W. This rock is steep to outside, and extends about half a cable in a north and south direction. (*Notice No. 446 of 1900.*)

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Chart :—Nagasaki to Karatsu, No. 359: Also, China Sea Directory, vol. IV, 1894, page 500; and Supplement, 1898, relating to that work, page 72.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 18th August 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 207.

[Second Pblication.]

PACIFIC OCEAN—TONGA ISLAND.

Falcon shoal showing above water.

WITH reference to Notice to Mariners No. 209, dated the 27th September 1898, issued by this Office, the British Admiralty has given further notice (*No. 447 of 1900*) that further information, dated 16th April 1900, has been received from Commander A. H. D. Ravenhill, H. M. S. *Porpoise*, that the shoal to which Falcon island has been reduced is now showing above water at its northern end. (*Notice No. 447 of 1900.*)

Approximate position, lat. 20° 18′ 40″ S., long. 175° 25′ 0″ W.

This Notice affects the following Admiralty Charts :—Fiji to Samoa islands, No. 1829; Tonga or Friendly islands, No. 2421; Anchorages in Tonga islands, No. 1385: Also, Pacific islands, vol. II, 1891, page 40.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 18th August 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 208.

[Second Publication.]

JAPAN—KIUSIU.

Hirado no seto—Rocks in southern approach.

THE British Admiralty has given notice (*No. 448 of 1900*) of the existence of the undermentioned rocks in the southern approach to Hirado no seto:—

1. Zingorosone, a rock with a depth over it of 4½ fathoms, situated with Ukise bearing S. 54° W., distant 7 cables.
   Approximate position, lat. 33° 9′ 10″ N., long. 129° 37′ 45″ E.
2. Bakuchinookinoishi, a rock with a depth of 3¾ fathoms over it, situated with 517-foot hill bearing N. 21° E., distant about $1\frac{3}{10}$ miles.
   Approximate position, lat. 33° 12′ 5″ N., long 129° 33′ 55″ E.
3. Nojimanookinoishi, a rock with a depth of 3¾ fathoms over it, situated with 517-foot hill bearing N. 46° E., distant $1\frac{3}{10}$ miles.

Approximate position, lat. 33° 12′ 25″ N., long. 129° 33′ 30″ E. (*Notice No. 448 of 1900.*)

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Nagasaki to Karatsu, No. 359; Matsu sima to Atsusi no osima, No. 140: Also, China Sea Directory, vol. IV, 1894, page 515; and Supplement, 1898, relating to that work, page 27.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 18th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 209.

[Second Publication.]

PACIFIC OCEAN—LUZON, NORTH COAST.

Dedikas rocks—Volcanic disturbance.

THE British Admiralty has given notice (*No. 449 of 1900*) that the Master of the S.S. *Leelanaw* reports that on 1st April 1900, on passing at a distance of about 3 miles, large clouds of steam were seen issuing from the Dedikas rocks. (*Notice No. 449 of 1900.*)

Approximate position, Dedikas rocks, lat. 19° 3′ N., long. 122° 9′ E.

This Notice affects the following Admiralty Chart:—Luzon island, No. 2454: Also, China Sea Directory, vol. III, 1894, page 227.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 18th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 210.

[Second Publication.]

JAPAN, INLAND SEA—IYO NADA.

Kamoji rock—Particulars and position.

THE British Admiralty has given notice (*No. 450 of 1900*) that an isolated reef, named Kamoji, with a depth of 4 fathoms over it at low-water springs, is reported to exist in Iyo nada, with Katayama sima summit bearing N. 16° W., distant about $2\frac{7}{10}$ miles, and O Ishi summit N. 75° E.

Approximate position, lat. 33° 52′ 50″ N., long. 132° 28′ 30″ E.

This rock has depths of from 20 to 30 fathoms around it. (*Notice No. 450 of 1900.*)

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Seto uchi or Inland sea, No. 2875; Mi sima Nada and Iyo Nada, No. 83: Also, China Sea Directory, vol. IV, 1894, page 423.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 18th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 211.

[Second Publication.]

JAPAN—KIUSIU, WEST COAST.

Miye no ura—Rocks in approach.

THE British Admiralty has given notice (*No. 453 of 1900*) of the existence of the undermentioned rocks in the approach to Miye no ura:—

1. Orise, a rock with a depth over it of one fathom, is situated with No oze (outer rock) bearing S. 78° E., distant 8 cables, and 1090-foot hill (northward of Miye mura) N. 34° E.

   Approximate position, lat. 32° 48′ 30″ N., long. 129° 42′ 50″ E.

2. Ongame, a rock with a depth of 3½ fathoms over it, situated with No oze bearing S. 80° W., distant 10 cables, and 1090-foot hill N. 16° W. (*Notice No. 453 of 1900.*)

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Nagasaki to Karatsu, No. 359: Also, China Sea Directory, vol. IV, 1894, page 500; and Supplement, 1898, relating to that work, page 27.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 18th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 212.

[Second Publication.]

NEW ZEALAND—PORT NICHOLSON.

Somes island light—Position and sectors.

WITH reference to Notice to Mariners No. 83, dated 31st March 1900, issued by this office, the British Admiralty has given further notice (*No. 455 of 1900*) that the new light on Somes island is in the same position as the old one, or about 2 cables S. 6° W. from the Quarantine station; it is elevated 95 feet above the sea, and visible, in clear weather, from a distance of 16 miles, showing *white* from the bearing N. 6° W. to N. 3° W., *red* from N. 3° W., through north, to N. 15° E., *white* from N. 15° E., through east, to S. 88° E., obscured from S. 88° E., through south and west, to N. 77° W., *white* from N. 77° W. to N. 24° W., and *green* from N. 24° W. to N. 6° W. (*Notice No 455 of 1900.*)

Approximate position, lat. 41° 15½′ S., long. 174° 52′ E.

(*Variation 15° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—Port Nicholson, No. 1423: Also, List of Lights, part VI, 1900, No. 1426; and New Zealand Pilot, 1891, page 171.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 18th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 194.

[Third Publication.]

JAPAN—KIUSIU.

Nagasaki harbour—Rocks in approaches.

THE British Admiralty has given notice (No. 417 of 1900) of the existence of the undermentioned rocks in the approaches to Nagasaki harbour:—

1. Okinokarakasa one, a rock with a least depth over it of 4¾ fathoms, is situated with the south-east point of Takabokojima (in line with Io sima lighthouse) bearing No. 87° W., distant nine-tenths of a cable, and the islet off the south-west point of Nezumi sima N. 21° E.

   Approximate position, lat. 32° 43′ 5″ N., long. 129° 49′ 45″ E.

   This rock is 4 to 5 yards in extent and steep to.

2. Osone, a rock with a least depth of 4 fathoms over it, situated with Naginata saki lighthouse bearing S. 76° W., distant $7\frac{6}{10}$ cables, and east extreme of Nezumi sima N. 18° W. This rock has depths of 4 to 7 fathoms over it, and lies in a S.S.W. and N.N.E. direction.

3. Kawarasone, a rock with a least depth of $6\frac{1}{4}$ fathoms over it, situated with Chosu se (eastern rock) bearing S. 42° E., distant $2\frac{6}{10}$ cables, and Uomi yama N. 63° E. This is a pinnacle rock with two heads and is steep to.

4. Okinosone, a rock with a least depth of 8 fathoms over it, situated with Tsuwabara zaki bearing S. 87° W., distant $4\frac{3}{4}$ cables, and Imori yama S. 10° E.

5. A small pinnacle rock with a depth of half a fathom over it, from which Goroye sima (the correct name of which is Tonosama yama jima) bears N. 59° E., distant half a cable, and Imori yama S. 58° E. There is a depth of 4 fathoms immediately outside this rock.

   The name Goroye sima, shown on the present Chart, should be transferred to the islet situated $1\frac{1}{2}$ cables to the southward of it.

6. Tono dashi is a small rock with a least depth of $1\frac{1}{2}$ fathoms over it, situated with Imori yama bearing N. 45° E., distant $2\frac{7}{10}$ cables, and Kajikake rock beacon N. 67° W. (*Notice No. 417 of 1900.*)

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Charts :—Nagasaki harbour, Nos. 2415, 2815: Also, China Sea Directory, vol. IV, 1894, pages 500, 502; and Supplement, 1898, relating to that work, page 27.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 17th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 195.

[Third Publication.]

AFRICA, EAST COAST—PUNGUE RIVER ENTRANCE.

Buoy—Shoal.

WITH reference to Notice to Mariners No. 127, dated 19th May last, issued by this office, the British Admiralty has given further notice (No. 419 of 1900) that the following information, dated 31st May 1900, respecting a new buoy and shoal in Pungue river entrance, has been received from Commander W. F. Tunnard, H.M.S. *Barossa* :—

(*a*) A black buoy, surmounted by staff and globe, has been moored about $2\frac{1}{3}$ miles N. 88° W. of the fairway or outer buoy (*conical*, with staff and globe No. 2), to mark the southern edge of the 17-foot shoal.

Approximate position, lat. 19° 56′ 35″ S., long 34° 56′ 35″ E.

(*b*) A shoal, with a depth of 13 feet over it, is reported to exist at a distance of about 6 cables S. 74° W. from the above buoy, and with point Jea bearing N. 22° W., distant $7\frac{1}{10}$ miles.

CAUTION.—As the banks and buoys are subject to change and alteration, local knowledge is absolutely necessary before attempting to enter. (*Notice No. 419 of 1900.*)

(*Variation 18° Westerly in 1900.*)

This Notice affects the following Admiralty Chart :—River Pungue, No. 1003: Also, Africa Pilot, part III, 1897, page 221.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

CALCUTTA, *the 17th August 1900.*

C. B. BAYLEY,
Asst. Secy., Marine Department.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 196.

[Third Publication.]

JAPAN—Shikoku Island.

Urado harbour light altered.

The British Admiralty has given notice (No. 420 of 1900) that on 30th May 1900, a *white fixed* light of 140 candle power was exhibited on Riuzusaki, Urado (Urato) harbour.

Riuzusaki light is elevated 133 feet above high water, and visible, in clear weather, from a distance of 8 miles, from the bearing of N. 67° E., through north and west, to S. 10° E; it is shown from a brick octagonal tower, 20 feet high, painted white, erected on the same spot as the former light, which has been discontinued. (*Notice No. 420 of 1900.*)

Approximate position, lat. 33° 29½′ N., long. 133° 34′ E.

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Van Diemen strait to Cosima, No. 1648; Seto uchi, No. 2875: Also, List of Lights, part VI, 1900, No. 887; and China Sea Directory, vol. IV, page 255.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 11th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 197.

[Third Publication.]

PACIFIC OCEAN—Samoa group—Savii island.

Mataatu harbour—Bank in approach.

The British Admiralty has given notice (No. 424 of 1900) that information has been received from Commander H. Preedy, H.M.S *Torch*, that, on entering Mataatu harbour, his vessel passed over a bank of small extent, on which a depth of 7 fathoms was obtained, with the church bearing S. 22° E., distant about 2 miles. (*Notice No. 424 of 1900.*)

Approximate position, lat. 13° 25′ S., long. 172° 21½′ W.

(*Variation 9° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—Samoa islands, No. 1730: Also, Pacific Islands, vol. II, 1891, page 79.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 11th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 198.

[Third Publication.]

CHINA SEA—Tong King gulf—Haifong approaches.

Banes d'Anam—Light exhibited.

The British Admiralty has given notice (No. 427 of 1900) that a *white fixed* dioptric light of the 6th order is exhibited on the rocky shoals, called Banes d'Anam, on the east bank of Kua nam Trieu, in the approaches to Haifong.

Banes d'Anam light elevated 31 feet above high water, and visible from the bearing of N. 18° W., through north and east, to S. 42° W., is exhibited from two poles over an iron shed surmounting an iron pile structure, painted black, erected on the western edge of the shoals, in approximately lat. 20° 55′ 5″ N., long. 106° 45′ 35″ E. (*Notice No. 427 of 1900.*)

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Kua Lacht to Kao Tao shan islands, No. 1965; Approaches to Haifong, No. 775: Also, List of Lights, part VI, 1900, page 110; and China Sea Directory, vol. II, 1899, page 441.

E. J. Beaumont, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 11th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 199.

[Third Publication.]

AUSTRALIA, SOUTH COAST—PORT ALBERT ENTRANCE.

Alterations in channel, buoyage, &c.

WITH reference to Notice to Mariners No. 178 of 1899, the British Admiralty has given further notice (No. 431 of 1900) that Clonmel island has disappeared, and further alterations have taken and are taking place, specially during easterly winds, in the entrance to port Albert; frequent changes in the buoys are therefore necessary.

The outer entrance to the channel is at present marked by a fairway buoy, and the channel by red buoys on the starboard, and black buoys on the port side entering, which should be passed close to. (*Notice No. 431 of 1900.*)

Approximate position, Clonmel island, lat. 38° 45′ S., long. 146° 40½′ E.

This Notice affects the following Admiralty Chart:—Wilson promontory, No. 1703: Also, Australia Directory, vol. I, 1897, page 531.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 11th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 200.

[Third Publication.]

AUSTRALIA—SOUTH CHANNEL, PORT CURTIS.

New tower and alteration of Gatcombe head lighthouse, and establishment of leading lights.

THE Port Master, Brisbane, has given notice (No. 11 of 1900) that it is intended to erect a new tower at Gatcombe Head about 450 feet North by East of the present tower. The tower will be 38 feet high, circular in shape, and painted white with a red dome. The light will be at an elevation of 122 feet above high water, and will be visible for 13 miles from a ship's deck in clear weather.

The red sector seawards will be discontinued. The light will be white between the bearings S. 29° W. and N. 70° W., also between N. 45° W. and N. 21° E; red between N. 21° E. and N. 43° E.; to the northward of the latter bearing it will be white until obscured by the land, and between the bearings of N. 70° W. and N. 45° W. it will also be obscured

LEADING LIGHTS, SOUTH CHANNEL.

Near the mouth of the Boyne River two leading lights will be shown, the front light from a skeleton tower 30 feet high, having a total elevation of 66 feet above high water, and the back light from a small square building situated on a hill at the back, at a total elevation of 121 feet above high water. Both structures are painted white, and the distance between them is 5,750 feet. The lights on these structures will be 4th order holophotes, and will be visible 12 and 14½ miles, respectively. These lights, forming the first lead, bear when in line S. 75° W.

The second line of leading lights is placed on the slope of the hill on the west side of Gatcombe Head. The front light is in a small house at an elevation of 32 feet above high water, and the back light on a skeleton tower 30 feet high, the total elevation of the light being 66 feet above high water.

It is anticipated that the lights for the South Channel will be ready for exhibition in August. Instructions for using the lights and further notice will be issued before they are exhibited.

Chart affected, 1900; Australia Directory, vol 2.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 11th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 201.

[Third Publication.]

AUSTRALIA—TORRES STRAIT, INNER ROUTE.

Pipon islands—New lighthouse and removal of Channel Rock lightship.

THE Port Master, Brisbane, has given notice (No 12 of 1900) that it is intended to erect a skeleton iron tower on the South Islet of the Pipon Island Group carrying a lantern with

4th order dioptric light. The tower will be 60 feet high and the focal plain 55 feet above high water. The skeleton structure will be painted red, and the lantern white with a red dome. The light will be visible through an arc of 160 degrees, white between bearings of N. 72° W. (through South) to N. 53° E., red between N. 53° E. and N. 76° E., and white between N. 76° E. and N. 88° E., and will be intensified over an arc of 11 degrees through the Barrow Strait. The light will be visible 13 miles in clear weather.

It is expected that the light will be ready for exhibition about the 15th November 1900, when the lightship will be removed, further notice of which will be given.

Chart affected, 2922; Australia Directory, vol. 2.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 11th August 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 202.

[Third Publication.]

PERSIAN GULF—BUSRAH BAR.

A new Busrah bar buoy laid.

IN continuation of Notice to Mariners No. 174, dated the 14th July last, issued by this office, the Acting British Vice-Consul at Bushire has given further notice that the Commander of the S.S. *Kilwa* reports that he has laid down a new Busrah bar buoy in lat. 29° 49′ N. and long. 48° 45′ E. in 12 feet low water springs with No. 2 (large cask) buoy bearing N. 46° W. magnetic, distance 5 miles.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 13th August 1900.* *Asst. Secy., Marine Department.*

APPENDIX TO

The Calcutta Gazette.

WEDNESDAY, SEPTEMBER 5, 1900.

NOTICES TO MARINERS.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 215.

[First Publication.]

BAY OF BENGAL—ORISSA COAST.

Shortt's island lighthouse.

IN continuation of Notice to Mariners No. 214, dated the 27th August, issued by this office, a telegraphic communication has been received from the Port Officer, Chandbali, stating that Dioptric masthead lights will be exhibited from Shortt's island flagstaff from 31st August, visible about five miles, pending other arrangements.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 31st August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 216.

[First Publication.]

NEW ZEALAND—NORTH ISLAND.

Exhibition of light on East island, near East Cape.

WITH reference to Notices to Mariners No. 239, dated 12th November 1898, and No. 13, dated 20th January 1900, the Government of New Zealand has given further notice (No. 36 of 1900) that on and after Thursday, the 9th August 1900, a light will be exhibited from sunset to sunrise from the lighthouse which has been erected on East Island, near East Cape, on the east coast of the North Island of New Zealand. The position and characteristics are as follows:—

The site of the light is in latitude 37° 4′ south, and longitude 178° 36′ east, as measured from the Admiralty chart.

The tower is constructed of cast iron. The total height from the bottom of the base to the top of the lantern is 69 ft., and it is painted white.

The light will be 362 ft. above the level of the sea at high water. It is a dioptric revolving white light of the second order, showing a white flash at intervals of ten seconds. It will be visible seaward over an arc of 280 degrees of the horizon, or as far round as the land will allow, and in ordinary clear weather it will be seen twenty-two nautical miles from the deck of a vessel 15 ft. above sea-level.

Charts affected: No. 2527, sheet iii, N. Z.; "New Zealand Pilot," chapter iii, pages 147 and 148.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 31st August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 217.

[First Publication.]

JAPAN—KIUSIU, EAST COAST.

Saiki bay—Rocks in northern approach.

THE British Admiralty has given notice (No. 471 of 1900) of the existence of the undermentioned rocks in the northern approaches to Saiki bay :—

(1) Tatenokawaranookinose, a rock with a least depth over it of 4 fathoms, is situated with Mura haye bearing S. 72° E., distant $9\frac{6}{10}$ cables, and the east extreme of Hiko shima S. 30° W.

Approximate position, lat. 33° 1′ 30″ N., long. 131° 54′ 50″ E.

This rock is connected by a ledge to the point south-eastward of Hirihosi.

(2) A rock with a depth of 1 fathom over it, situated with North Kando shima bearing No. 78° E , distant half a cable, and east extreme of Hiko shima S. 38° W. This rock is connected by a reef with North Kando shima.

(3) A rock with a depth of 3 fathoms over it, situated with South Kando shima bearing S. 50° W., distant one-third of a cable, and Mura haye S. 83° E. This rock is connected by a reef with South Kando shima.

(4) Sukanose, a rock with a depth of 6 fathoms over it, situated with Mitsu bosi (northern rock) bearing S. 30° E., distant 1 cable, and Mura haye S. 84° E. This rock is connected by a a reef with South Kando shima. (*Notice No. 471 of 1900.*)

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Chart :—Saiki bay, No. 2985 : Also, China Sea Directory, vol. IV, 1894, page 244 ; and Supplement, 1898, relating to that work, page 14.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 31st August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 218.

[First Publication.]

JAPAN—HONSHU, SOUTH COAST.

Simoda harbour—Rocks in approach.

THE British Admiralty has given notice (No. 473 of 1900) of the existence of the undermentioned rocks in the approach to Simoda harbour :—

(1) A rock with a depth over it of $4\frac{1}{4}$ fathoms, situated with Saku ne bearing S. 48° E., distant 1 cable, and west extreme of Ishitori ne S. 22° W.

(2) A rock with a depth of $4\frac{1}{2}$ fathoms over it, situated with Saku ne bearing S. 31° E., distant $1\frac{3}{4}$ cables, and west extreme of Ishitori ne S. 18° W.

(3) A rock with a depth of $3\frac{3}{4}$ fathoms over it, situated with Saku ne bearing S. 4° E., distant $1\frac{7}{10}$ cables, and Tarai sa zaki N. 77° W.

(4) A rock with a depth of 4 fathoms over it, situated with Saku ne bearing S. 4° E., distant $2\frac{1}{10}$ cables, and Tarai sa zaki N. 79° W.

(5) A rock with a depth of $3\frac{1}{2}$ fathoms over it, from which Saku ne bears S. 23° E., distant $5\frac{2}{10}$ cables, and Tarai sa zaki N. 82° W.

(6) A rock named Goto ne, with a depth of $1\frac{3}{4}$ fathoms over it, situated with Saku ne bearing S. 22° E., distant $5\frac{1}{4}$ cables, and Tarai sa zaki S. 80° E.

(7) A rock named Shira ne with a depth of $1\frac{3}{4}$ fathoms over it, situated with Saku ne bearing S. 43° E., distant $5\frac{8}{10}$ cables, and Toyo ne S. 13° W.

Approximate position, Suku ne, lat. 34° 37′ 15″ N., long. 138° 55′ 0″ W.

The correct name for Mechan ne is Myochan ne. (*Notice No. 473 of 1900.*)

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Chart :—Simoda harbour, No. 2655 : Also, China Sea Directory, vol. IV, 1894, page 293.

W. B. HUDDLESTON, *Lieut.*, R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 31st August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 219.

[First Publication.]

AUSTRALIA—QUEENSLAND.

Moreton bay—Yellow patch light, sector altered, No. 5 buoy moved.

THE British Admiralty has given notice (No. 476 of 1900) that the following alterations have been made in the lighting and buoyage of Moreton bay :—

a. Yellow patch light. The southern sector of this light now shows *white* from the bearing of S. 67° E. to S. 83° E.

Approximate position, lat. 27° 2′ S., long. 153° 28′ E.

b. North-west channel, No. 5 buoy (black, with topmark) has been moved 2 cables S. 56° W. of its former position, to mark a patch with a depth of 17½ feet over it. (*Notice No. 476 of 1900.*)

Approximate position on Chart No. 1670*a*, lat. 26° 57′ 35″ S., long. 153° 13′ 0″ E.

(*Variation 9° Easterly in 1900.*)

This Notice affects the following Admiralty Charts :—Danger point to cape Moreton, No. 1029; Moreton bay, No. 1670a : Also, List of Lights, part VI, 1900, No. 1218 ; and Australia Directory, vol. II, 1898, pages 123, 127.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 31st August 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 213.

[Second Publication.]

INDIA, WEST—BOMBAY COAST.

Victoria and Princes dock—Time signal altered.

THE British Admiralty has given notice (No. 458 of 1900) that the time signal made at the clock tower at Victoria and Princes dock has been altered, and the ball will in future be dropped at 15 hrs. 0 m. 0 s. Greenwich mean time, or 7 hrs. 51 m. 15·7 s. A.M. local mean time ; in case of failure a flag will be immediately hoisted and the ball be dropped at 16 hrs. 0 m. 0 s. G.M.T. or 8 hrs. 51 m. 15·7 s. A.M. local mean time.

The ball at Bombay Castle will continue to be dropped as usual at 1 P.M. local mean time.

Approximate position of the time signal station clock tower lat. 18° 57′ 13″ N., long. 72° 50′ 46″ E. (*Notice No. 458 of 1900.*)

This Notice affects the following Admiralty Chart :—Port of Bombay, No. 655 : Also, List of Time Signals, 1898, page 17 ; and West Coast of Hindustan Pilot, 1898, page 206.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 24th August 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 214.

[Second Publication.]

BAY OF BENGAL—ORISSA COAST.

Shortt's island lighthouse.

OWING to the sudden erosion of Shortt's island, endangering the structure of the lighthouse, this light will not be exhibited on and after the 31st August, when the lighthouse will be dismantled.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 27th August 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 203.

[Third Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

Kurnafully river—Depth of water found in the channels.

THE Port Officer, Chittagong, has given notice that the following depths of water were found in the river channels by soundings taken on the 11th August, and reduced to zero:—

	FT.	IN.
Track No. 1—Outer bar—		
Disc in the centre between diamond and mast with white and black casks	11	0
Disc on mast with white and black casks	8	0
Track No. 2—Inner bar—		
Disc on diamond	10	6
Disc on mast with white and black casks	10	0
Disc in the centre between diamond and mast with white and black casks	9	9
Track No. 3—		
Tripod on with cross and ball	18	0
Track No. 4—		
Triangle on with mast with white and black casks	22	0
Track No. 5—Guptakhali crossing—		
Tripod on diamond	20	0
Centre	18	0

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 18th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 204.

[Third Publication.]

EASTERN ARCHIPELAGO—SUMATRA, WEST COAST.

Singkel approach—Reefs.

THE British Admiralty has given notice (*No. 441 of 1900*) of the existence of the following coral reefs to the southward of Singkel:—

A reef, about 400 yards in diameter, with a least depth of 2 fathoms over it, in approximately lat. 2° 8′ 5″ N., long. 97° 55′ 5″ E.

About half a mile westward of the above is another reef about 400 yards long, N.N.W. S.S.E., with a least depth of 2 fathoms over it. (*Notice No. 441 of 1900.*)

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—Acheh head to Tyingkok bay, No. 2760: Also, China Sea Directory, vol. I, 1896, page 283.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 18th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 205.

[Third Publication.]

AFRICA, EAST COAST—DELAGOA BAY.

Reported magnetic disturbance.

THE following Notice to Mariners (*No. 442 of 1900*) is republished:—

Recent observations point to a considerable local magnetic disturbance in different parts of Delagoa bay, the variation at Lorenzo Marques and in English river for the year 1900 being about 23° 15′ W., while at Timpson point, Shefina island, it is 20° 55′, and at Gibbon point, Elephant island, about 20° only.

Observations by swinging at sea off this place also point to the probability of the variation off this part of the coast being less than that given on Variation Chart by about $1\frac{1}{2}°$, but sufficient data has not yet been received to enable the Chart to be corrected. (*Notice No. 442 of 1900.*)

This Notice affects the following Admiralty Charts:—Delagoa bay, No. 644; port Melville, No. 645: Also, Africa Pilot, part III, 1897, pages 156-189.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY
CALCUTTA, *the 18th August 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 206.

[Third Publication.]

JAPAN—KIUSIU, WEST COAST.

Sumo Nada—Reefs.

THE British Admiralty has given notice (*No. 446 of 1900*) of the existence of the undermentioned reefs off Ike sima and Matsu sima, Sumo Nada:—

1. Mayezone, a rock with a least depth over it of $3\frac{3}{4}$ fathoms, is situated with the north point of Ike sima bearing S. 72° E., distant $5\frac{1}{3}$ cables, and the west point of the same island S. 33° W.
   Approximate position, lat. 33° 53′ 20″ N., long. 129° 35′ 30″ E.
   This rock is steep to.
2. Fukazone, a rock with a least depth of $2\frac{3}{4}$ fathoms over it, situated with the westernmost of the two south points of Matsu sima bearing N. 75° E., distant $2\frac{1}{3}$ cables, and west extreme of the same island N. 32° W. This rock is steep to outside, and extends about half a cable in a north and south direction. (*Notice No. 446 of 1900.*)

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Nagasaki to Karatsu, No. 359: Also, China Sea Directory, vol. IV, 1894, page 500; and Supplement, 1898, relating to that work, page 72.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 18th August 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 207.

[Third Publication.]

PACIFIC OCEAN—TONGA ISLAND.

Falcon shoal showing above water.

WITH reference to Notice to Mariners No. 209, dated the 27th September 1898, issued by this Office, the British Admiralty has given further notice (*No. 447 of 1900*) that further information, dated 16th April 1900, has been received from Commander A. H. D. Ravenhill, H. M. S. *Porpoise*, that the shoal to which Falcon island has been reduced is now showing above water at its northern end. (*Notice No. 447 of 1900.*)

Approximate position, lat. 20° 18′ 40″ S., long. 175° 25′ 0″ W.

This Notice affects the following Admiralty Charts:—Fiji to Samoa islands, No. 1829; Tonga or Friendly islands, No. 2421; Anchorages in Tonga islands, No. 1385: Also, Pacific islands, vol. II, 1891, page 40.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 18th August 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 208.

[Third Publication.]

JAPAN—KIUSIU.

Hirado no seto—Rocks in southern approach.

THE British Admiralty has given notice (*No. 448 of 1900*) of the existence of the undermentioned rocks in the southern approach to Hirado no seto :—

1. Zingorosone, a rock with a depth over it of 4½ fathoms, situated with Ukise bearing S. 54° W., distant 7 cables.
   Approximate position, lat. 33° 9′ 10″ N., long. 129° 37′ 45″ E.
2. Bakuchinookinoishi, a rock with a depth of 3¾ fathoms over it, situated with 517-foot hill bearing N. 21° E., distant about 1$\frac{3}{10}$ miles.
   Approximate position, lat. 33° 12′ 5″ N., long. 129° 33′ 55″ E.
3. Nojimanookinoishi, a rock with a depth of 3¾ fathoms over it, situated with 517-foot hill bearing N. 46° E., distant 1$\frac{3}{10}$ miles.

Approximate position, lat. 33° 12′ 25″ N., long. 129° 33′ 30″ E. (*Notice No. 448 of 1900.*)

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Nagasaki to Karatsu, No. 359; Matsu sima to Atsusi no osima, No. 140: Also, China Sea Directory, vol. IV, 1894, page 515; and Supplement, 1898, relating to that work, page 27.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 18th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 209.

[Third Publication.]

PACIFIC OCEAN—LUZON, NORTH COAST.

Dedikas rocks—Volcanic disturbance.

THE British Admiralty has given notice (*No. 449 of 1900*) that the Master of the S.S. *Leelanaw* reports that on 1st April 1900, on passing at a distance of about 3 miles, large clouds of steam were seen issuing from the Dedikas rocks. (*Notice No. 449 of 1900.*)

Approximate position, Dedikas rocks, lat. 19° 3′ N., long. 122° 9′ E.

This Notice affects the following Admiralty Chart:—Luzon island, No. 2454: Also, China Sea Directory, vol. III, 1894, page 227.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 18th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 210.

[Third Publication.]

JAPAN, INLAND SEA—IYO NADA.

Kamoji rock—Particulars and position.

THE British Admiralty has given notice (*No. 450 of 1900*) that an isolated reef, named Kamoji, with a depth of 4 fathoms over it at low-water springs, is reported to exist in Iyo nada, with Katayama sima summit bearing N. 16° W., distant about 2$\frac{7}{10}$ miles, and O Ishi summit N. 75° E.

Approximate position, lat. 33° 52′ 50″ N., long. 132° 28′ 30″ E.

This rock has depths of from 20 to 30 fathoms around it. (*Notice No. 450 of 1900.*)

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Seto uchi or Inland sea, No. 2875; Misima Nada and Iyo Nada, No. 83: Also, China Sea Directory, vol. IV, 1894, page 423.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 18th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 211.

[Third Publication.]

JAPAN—KIUSIU, WEST COAST.

Miye no ura—Rocks in approach.

THE British Admiralty has given notice (*No. 453 of 1900*) of the existence of the undermentioned rocks in the approach to Miye no ura:—

1. Orise, a rock with a depth over it of one fathom, is situated with No oze (outer rock) bearing S. 78° E., distant 8 cables, and 1090-foot hill (northward of Miye mura) N. 34° E.

   Approximate position, lat. 32° 48′ 30″ N., long. 129° 42′ 50″ E.

2. Ongame, a rock with a depth of 3½ fathoms over it, situated with No oze bearing S. 80° W., distant 10 cables, and 1090-foot hill N. 16° W. (*Notice No. 453 of 1900.*)

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Nagasaki to Karatsu, No. 359: Also, China Sea Directory, vol. IV, 1894, page 500; and Supplement, 1898, relating to that work, page 27.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 18th August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 212.

[Third Publication.]

NEW ZEALAND—PORT NICHOLSON.

Somes island light—Position and sectors.

WITH reference to Notice to Mariners No. 83, dated 31st March 1900, issued by this office, the British Admiralty has given further notice (*No. 455 of 1900*) that the new light on Somes island is in the same position as the old one, or about 2 cables S. 6° W. from the Quarantine station; it is elevated 95 feet above the sea, and visible, in clear weather, from a distance of 16 miles, showing *white* from the bearing N. 6° W. to N. 3° W., *red* from N. 3° W., through north, to N. 15° E., *white* from N. 15° E., through east, to S. 88° E., obscured from S. 88° E., through south and west, to N. 77° W., *white* from N. 77° W. to N. 24° W., and *green* from N. 24° W. to N. 6° W. (*Notice No 455 of 1900.*)

Approximate position, lat. 41° 15½′ S., long. 174° 52′ E.

(*Variation 15° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—Port Nicholson, No. 1423: Also, List of Lights, part VI, 1900, No. 1426; and New Zealand Pilot, 1891, page 171.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 18th August 1900.*

APPENDIX TO

The Calcutta Gazette.

WEDNESDAY, SEPTEMBER 12, 1900.

NOTICES TO MARINERS.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 220.

[First Publication.]

BAY OF BENGAL—BURMA COAST.

China Buckeer light.

IN continuation of Notice to Mariners No. 123, dated the 12th May 1900, issued by this office, the Port Officer, Rangoon, has given further information, dated 31st August 1900, that the light on China Buckeer will be discontinued on the 15th November 1900, and a light will be exhibited from a light-vessel anchored 2 miles to the south-east (true) of the present China Buckeer light-house.

The light will be group flashing alternate red and white flashes every 45 seconds, each flash being of 5 seconds duration and visible 12 miles.

The light-vessel will be painted red with one mast, at which is hoisted a black cone and the words "China Buckeer" painted on each side.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

CALCUTTA, *the 10th September 1900.*

C. B. BAYLEY,
Asst. Secy., Marine Department.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 221.

[First Publication.]

INDIA, WEST—BOMBAY COAST.

(1) Miria bay buoy adrift.

THE following Notices to Mariners (No. 69 of 1900), issued by the Bombay Government, is republished:—

Information, dated 21st August 1900, has been received from the Commissioner of Customs, Salt, Opium and Abkari, that the Miria bay buoy has gone adrift.

Notice of its replacement will be given.

This Notice affects the following Admiralty Chart:—Ratnagiri, Miria and Kalbadevie Bays; also West Coast of Hindustan Pilot, 4th Edition, 1898, page 179.

(2) Harnai light—Alteration in character.

Information has been received from the Commissioner of Customs, Salt, Opium and Abkari, dated 21st August 1900, that the occulting red light at Harnai will be shown as a fixed red light until further notice.

This Notice affects the following Admiralty Charts:—Karachi to Vengurla, No. 826; Gulf of Kutch to Viziadurg, No. 2736, and Kundari to Boria Pagoda, No. 738; Also, Light List, Part VI, 1900, page 38, No. 242a.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 10th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 222.

[First Publication.]

EASTERN ARCHIPELAGO—BORNEO, SOUTH-WEST COAST.

Pulo Datu—Reef to the southward.

THE British Admiralty has given notice (No. 486 of 1900) of the existence of a reef with a depth over it of less than 16 feet, situated 7 miles southward of pulo Datu, in approximately lat. 0° 1′ S., long. 108° 36′ E. (*Notice No. 486 of 1900.*)

This Notice affects the following Admiralty Charts:—China Sea, No. 2660a; Eastern Archipelago, No. 941a: Also, China Sea Directory, vol. II, 1899, page 46.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 10th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 223.

[First Publication.]

BAY OF BENGAL—BURMA COAST.

Rangoon river—Leading lights established southward of Syriam point.

THE British Admiralty has given notice (No. 487 of 1900) that two *white fixed* leading lights have been established to the southward of Syriam point, on the east bank of Rangoon river; the front light is situated 6½ cables S. 10° E. from the extreme of Syriam point; the rear light bears S. 71° E. from the front light.

Approximate position, front light, lat. 16° 45′ 0″ N., long. 96° 13′ 10″ E.

The above two lights in line S. 71° E. lead over the Hastings shoal. (*Notice No. 487 of 1900.*)

(*Variation 1° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—Rangoon river, No. 833: Also, List of Lights, part VI, 1900, page 60; and Bay of Bengal Pilot, 1892, page 331.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 10th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 224.

[First Publication.]

CHINA, EAST COAST—Hong Kong.

Tailong head light—Shown in error in Chart No. 1964.

The British Admiralty has given notice (No. 488 of 1900) that as Tailong head light appears in error on certain copies of Admiralty Chart, No. 1964, notice is hereby given that the light should be erased from that chart. (*Notice No. 488 of 1900.*)

Approximate position, lat. 22° 12′ 50″ N., long. 114° 15′ 50″ E.

This Notice affects the following Admiralty Chart:—Mirs bay, No. 1964.

W. B. Huddleston, Lieut., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

Calcutta, *the 10th September 1900.*

C. B. Bayley,
Asst. Secy., Marine Department.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 225.

[First Publication.]

PERSIAN GULF—Nábiyu Farúr.

Bank to the southward.

The British Admiralty has given notice (No. 489 of 1900) of the existence of a bank with a depth over it of 8 fathoms, hard bottom, situated at a distance of 1¼ miles, S. 22° W. from Nábiyu Farúr.

Approximate position, lat. 26° 6′ N., long. 54° 26′ E.

This bank apparently was not examined; there may therefore be less water over it (*Notice No. 489 of 1900.*)

(*Variation Nil in 1900.*)

This Notice affects the following Admiralty Chart:—Persian gulf, No. 2837a: Also Persian Gulf Pilot, 1898, page 236.

W. B. Huddleston, Lieut., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

Calcutta, *the 10th September 1900.*

C. B. Bayley,
Asst. Secy., Marine Department.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 226.

[First Publication.]

AUSTRALIA—North-west and north coasts.

Shoals—Examination of and search for—.

The British Admiralty has given notice (No. 494 of 1900) that information, dated 30th May 1900, has been received from Commander J. W. Combe, H.M. Surveying Vessel *Penguin*, respecting the examination of the undermentioned shoals, and the unsuccessful search for others off the north-west and north coasts of Australia:—

1. Money shoal is of coral formation, very flat, extending 3¾ miles E.N.E. and W.S.W. by 1¾ miles wide, with a general depth of 5 to 6 fathoms over it. There are several patches of 18 feet on its eastern edge, the easternmost being in approximately lat. 10° 21′ 25″ S., long. 132° 45′ 50″ E.

   During fresh easterly winds the shoal was seen to break.

2. Marie shoal, composed of sand and coral, is 2 miles long N.N.W. and S.S.E., and 1 mile broad, with a general depth of from 5 to 7 fathoms over it. The least depth is 20 feet, situated about the middle of its western edge, in approximately lat. 10° 55′ 20″ S., long. 130° 06′ 15″ E.

This shoal is surrounded by depths of 25 and 35 fathoms.

3. BROWSE ISLET. The position of this islet (centre) is approximately in lat. 14° 07′ 0″ S., long. 123° 33′ 25″ E.

4. VULCAN SHOAL is of live coral formation, 3 miles long W. by N. and E. by S., and 1 mile wide, with general depths of from 8 to 12 fathoms over it, the least depth being 5 fathoms situated near the western end in approximately lat. 12° 49′ 5″ S., long. 124° 16′ 15″ E.
This shoal is surrounded by depths of 50 and 90 fathoms.

5. HEYWOOD SHOAL is also of live coral, 3¾ miles long N.W. and S.E., and 2 miles broad, with general depths over it of from 9 to 15 fathoms. The least depths of 6 fathoms is situated near its south-east end in approximately lat. 13° 28′ 55″ S., long. 124° 03′ 25″ E.
Deep water of from 30 to 50 fathoms surrounds the bank.

The above two shoals (4 and 5) were discovered in 1801 by Captain P. Heywood, H.M. Bomb *Vulcan*, and do not appear to have been seen since that date.

The undermentioned shoals have been searched for without success:—

(*a*) INDUS SHOAL in approximately lat. 10° 17′ S., long. 131° 06′ E. An area of 120 square miles in this vicinity was sounded over in fine weather, the general depths obtained being from 45 to 52 fathoms mud bottom, without any indication of shoal water. The original report of this shoal being somewhat vague, it is considered that it does not exist, and it has in consequence been erased from the Charts.

(*b*) LYNHER REEF in approximately lat. 15° 26′ S., long. 121° 55′ E. This position was sounded over, a depth of 21 fathoms being obtained near the spot; P.D. has therefore been placed against this reef on the Chart, pending further investigations.

(*d*) The shallow line of soundings reported by "LE SCORFF" in approximately lat. 10° 37′ S., long. 139° 27′ E.

(*e*) The shallow line of soundings reported by "DURANCE" in approximately lat. 10° 53′ S., long. 138° 45′ E. (*Notice No. 494 of 1900.*)

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Australia, northern portion, No. 2759a; North-west coast of Australia, No. 475; Cape Ford to Buccaneer Archipelago, No. 1047; Gulf of Carpentaria, Nos. 1043, 1044; Western approaches to Torres strait, No. 447: Also, Australia Directory, vol. III, 1895, pages 49, 247, 249; and Supplement, 1898, relating to that work, page 2.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 10th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 227.

[First Publication.]

KOREA, EAST COAST—COMMEMORATION BAY.

Position of a sunken rock.

THE British Admiralty has given notice (No. 496 of 1900) of the existence o a rock, over which there is a depth of 2¼ fathoms, situated at a distance of 4 cables N. 25° E. from Datsan island, Commemoration bay (Urusan Ko), in lat. 35° 31′ 40″ N., long. 129° 26′ 55″ E. (*Notice No. 496 of 1900.*)

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Commemoration bay, on Sheet No. 1259: Also, China Sea Directory, vol. IV, 1894, page 138.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 10th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 228.

First Publication.]

KOREA, SOUH-WEST COAST—MURRAY AND LYNE SOUNDS.

Shoals.

THE British Admiralty has given notice (No. 497 of 1900) of the existence of the following shoals off the south-west coast of Korea:—

(*a*) A patch of fine sand with a depth of 2¾ fathoms over it, in lat. 34° 14′ 55″ N., long. 126° 0′ 50″ E.

(*b*) A sandy shoal, named Gyuzi, with depths over it of from 3½ to 4¾ fathoms, and about 4½ cables long, north and south, and 1 to 3½ cables broad. The south extremity, with a depth of 4 fathoms over it, steep to on the east and west sides, is situated with the isolated rock about one mile northward of Kacha Do, bearing N. 7½° E., distant 6$\frac{3}{10}$ miles, in lat. 34° 28′ 20″ N., long. 125° 55′ E. (*Notice No. 497 of 1900.*)

(*Variation 3° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Korea Archipelago, No. 104: Also, China Sea Directory, vol. IV, 1894, pages 86, 79; and Supplement, 1898, pages 4 and 5.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 10th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 229.

[First Publication.]

CHINA, EAST—YANG TSE KIANG APPROACH.

Gutzlaff light—Character altered.

THE British Admiralty has given notice (No. 503 of 1900) that the character of Gutzlaff light has been altered from white fixed to *white flashing* every *five seconds*, elevated 283 feet above high water, and visible in clear weather from a distance of 24 miles.

It is shown from a steel tower, 46 feet high, erected on the eastern summit of the island, about 50 yards N. 77° E. from the site of the old tower. (*Notice No. 503 of 1900.*)

Approximate position, lat. 30° 48′ N., long. 122° 10′ E.

(*Variation 2° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Hongkong to Liautung gulf, No. 1262; Amoy to Nagasaki, No. 2412; Kue shan islands, &c., No. 1199; Approaches to Yang tse kiang, Nos. 1124, 1602: Also, List of Lights, part VI, 1900, No. 734; China Sea Directory, vol. III, 1894, page 379; and Supplement, 189 , page 24.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 10th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 230.

[First Publication.]

CHINA—EAST COAST.

Namoa island—Shoal ground eastward of Glengyle rock.

THE British Admiralty has given notice (No. 504 of 1900) that Mr. D. Mackenzie, Master of of S.S. *Kweilin*, reports that on 4th June 1900, his vessel, drawing about 14 feet, struck on a shoal, which, from the bearings given, would place it in the proximity of the Glengyle rock; the danger line around that rock has therefore been extended on the chart for a distance of 3 cables eastward to lat. 23° 24′ 15″ N., long. 117° 9′ 0″ E. (*Notice No. 504 of 1900.*)

This Notice affects the following Admiralty Chart:—Namoa island, No. 1957: Also, China Sea Directory, vol. III, 1894, page 156.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 10th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 215.

[Second Publication.]

BAY OF BENGAL—ORISSA COAST.

Shortt's island lighthouse.

IN continuation of Notice to Mariners No. 214, dated the 27th August, issued by this office, a telegraphic communication has been received from the Port Officer, Chandbali, stating that Dioptric masthead lights will be exhibited from Shortt's island flagstaff from 31st August, visible about five miles, pending other arrangements.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 31st August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 216.

[Second Publication.]

NEW ZEALAND—NORTH ISLAND.

Exhibition of light on East island, near East Cape.

WITH reference to Notices to Mariners No. 239, dated 12th November 1898, and No. 13, dated 20th January 1900, the Government of New Zealand has given further notice (No. 36 of 1900) that on and after Thursday, the 9th August 1900, a light will be exhibited from sunset to sunrise from the lighthouse which has been erected on East Island, near East Cape, on the east coast of the North Island of New Zealand. The position and characteristics are as follows:—

The site of the light is in latitude 37° 4′ south, and longitude 178° 36′ east, as measured from the Admiralty chart.

The tower is constructed of cast iron. The total height from the bottom of the base to the top of the lantern is 69 ft., and it is painted white.

The light will be 362 ft. above the level of the sea at high water. It is a dioptric revolving white light of the second order, showing a white flash at intervals of ten seconds. It will be visible seaward over an arc of 280 degrees of the horizon, or as far round as the land will allow, and in ordinary clear weather it will be seen twenty-two nautical miles from the deck of a vessel 15 ft. above sea-level.

Charts affected: No. 2527, sheet iii, N. Z.; "New Zealand Pilot," chapter iii, pages 147 and 148.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 31st August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 217.

[Second Publication.]

JAPAN—KIUSIU, EAST COAST.

Saiki bay—Rocks in northern approach.

THE British Admiralty has given notice (No. 471 of 1900) of the existence of the undermentioned rocks in the northern approaches to Saiki bay:—

(1) Tatenokawaranookinose, a rock with a least depth over it of 4 fathoms, is situated with Mura haye bearing S. 72° E., distant $9\frac{6}{10}$ cables, and the east extreme of Hiko shima S. 30° W.

Approximate position, lat. 33° 1′ 30″ N., long. 131° 54′ 50″ E.

This rock is connected by a ledge to the point south-eastward of Hirihosi.

(2) A rock with a depth of 1 fathom over it, situated with North Kando shima bearing No. 78° E, distant half a cable, and east extreme of Hiko shima S. 38° W. This rock is connected by a reef with North Kando shima.

(3) A rock with a depth of 3 fathoms over it, situated with South Kando shima bearing S. 50° W., distant one-third of a cable, and Mura haye S. 83° E. This rock is connected by a reef with South Kando shima.

(4) Sukanose, a rock with a depth of 6 fathoms over it, situated with Mitsu bosi (northern rock) bearing S. 30° E., distant 1 cable, and Mura haye S. 84° E. This rock is connected by a a reef with South Kando shima. (*Notice No. 471 of 1900.*)

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Saiki bay, No. 2985: Also, China Sea Directory, vol. IV, 1894, page 244; and Supplement, 1898, relating to that work, page 14.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 31st August 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 218.

[Second Publication.]

JAPAN—HONSHU, SOUTH COAST.

Simoda harbour—Rocks in approach.

THE British Admiralty has given notice (No. 473 of 1900) of the existence of the undermentioned rocks in the approach to Simoda harbour:—

(1) A rock with a depth over it of 4¼ fathoms, situated with Saku ne bearing S. 48° E., distant 1 cable, and west extreme of Ishitori ne S. 22° W.

(2) A rock with a depth of 4½ fathoms over it, situated with Saku ne bearing S. 31° E., distant 1⅜ cables, and west extreme of Ishitori ne S. 18° W.

(3) A rock with a depth of 3¾ fathoms over it, situated with Saku ne bearing S. 4° E., distant $1\frac{7}{10}$ cables, and Tarai sa zaki N. 77° W.

(4) A rock with a depth of 4 fathoms over it, situated with Saku ne bearing S. 4° E., distant $2\frac{1}{10}$ cables, and Tarai sa zaki N. 79° W.

(5) A rock with a depth of 3½ fathoms over it, from which Saku ne bears S. 23° E., distant $5\frac{2}{10}$ cables, and Tarai sa zaki N. 83° W.

(6) A rock named Goto ne, with a depth of 1¾ fathoms over it, situated with Saku ne bearing S. 2° E., distant 5½ cables, and Tarai sa zaki S. 80° E.

(7) A rock named Shira ne with a depth of 1¾ fathoms over it, situated with Saku ne bearing S. 43° E., distant $5\frac{8}{10}$ cables, and Toyo ne S. 13° W.

Approximate position, Suku ne, lat. 34° 37′ 15″ N., long. 138° 55′ 0″ W.

The correct name for Mechan ne is Myochan ne. (*Notice No. 473 of 1900.*)

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Simoda harbour, No. 2655: Also, China Sea Directory, vol. IV, 1894, page 293.

W. B. HUDDLESTON, *Lieut.*, R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 31st August 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 219.

[Second Publication.]

AUSTRALIA—QUEENSLAND.

Moreton bay—Yellow patch light, sector altered, No. 5 buoy moved.

THE British Admiralty has given notice (No. 476 of 1900) that the following alterations have been made in the lighting and buoyage of Moreton bay:—

a. Yellow patch light. The southern sector of this light now shows *white* from the bearing of S. 67° E. to S. 83° E.

Approximate position, lat. 27° 2′ S., long. 153° 28′ E.

b. North-west channel, No. 5 buoy (black, with topmark) has been moved 2 cables S. 56° W. of its former position, to mark a patch with a depth of 17½ feet over it. (*Notice No. 476 of 1900.*)

Approximate position on Chart No. 1670*a*, lat. 26° 57′ 35″ S., long. 153° 13′ 0″ E.

(*Variation 9° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Danger point to cape Moreton, No. 1029; Moreton bay, No. 1670a: Also, List of Lights, part VI, 1900, No. 1218; and Australia Directory, vol. II, 1898, pages 123, 127.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 31st August 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 213.

[Third Publication.]

INDIA, WEST—BOMBAY COAST.

Victoria and Princes dock—Time signal altered.

THE British Admiralty has given notice (No. 458 of 1900) that the time signal made at the clock tower at Victoria and Princes dock has been altered, and the ball will in future be dropped at 15 hrs. 0 m. 0 s. Greenwich mean time, or 7 hrs. 51 m. 15·7 s. A.M. local mean time; in case of failure a flag will be immediately hoisted and the ball be dropped at 16 hrs. 0 m. 0 s. G.M T. or 8 hrs. 51 m. 15·7 s. A.M. local mean time.

The ball at Bombay Castle will continue to be dropped as usual at 1 P.M. local mean time.

Approximate position of the time signal station clock tower lat. 18° 57′ 13″ N., long. 72° 50′ 46″ E. (*Notice No. 458 of 1900.*)

This Notice affects the following Admiralty Chart:—Port of Bombay, No. 655: Also, List of Time Signals, 1898, page 17; and West Coast of Hindustan Pilot, 1898, page 206.

E. J. BEAUMONT, *Comdr.*, R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 24th August 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT

NOTICE TO MARINERS—No. 214.

[Third Publication.]

BAY OF BENGAL—ORISSA COAST.

Shortt's island lighthouse.

OWING to the sudden erosion of Shortt's island, endangering the structure of the lighthouse, this light will not be exhibited on and after the 31st August, when the lighthouse will be dismantled.

E. J. BEAUMONT, *Comdr.*, R.I M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 27th August 1900.* *Asst. Secy., Marine Department.*

APPENDIX TO

The Calcutta Gazette.

WEDNESDAY, SEPTEMBER 12, 1900.

THE COMMISSIONERS FOR THE PORT OF CALCUTTA.

Abstract Account of Receipts and Expenditure of the Calcutta Port Fund for the year 1899-1900.

PARTICULARS.	Actuals for 1899-1900.	PARTICULARS.	Actuals for 1899-1900.
Receipts.	Rs. A. P.	*Expenditure.*	Rs. A. P.
Receipts from mooring hire	2,94,537 9 0	Proportion of salaries, control	66,250 8 8
Ditto Harbour Master's earnings	1,99,665 2 0	Ditto dredger expenses	15,623 10 8
Ditto wreckage and anchors recovered ...	3,813 3 6	Ditto interest and sinking fund on loans ...	1,59,110 12 0
Ditto Moyapore Magazine	6,517 10 9	Ditto repairs to officers' quarters	426 8 4
Ditto sale of condemned stores	4,839 10 5	Ditto repairs and municipal taxes of Dockyard	11,864 1 8
Ditto licenses of cargo and passenger boats ...	26,314 12 0	Ditto municipal taxes	1,758 0 0
Ditto Government subsidy, for collecting pilotage dues	2,800 0 0	River Police establishment	50,553 14 1
Ditto Government contribution for River Police for 1898-99	2,072 1 3	Moordafarash establishment	1,814 2 8
Earnings of tug *Rescue*	22,362 0 0	Renewal of block	1,05,110 0 0
Ditto tug *Hetty*	217 11 0	Repairs to boats, vessels, &c.	1,62,698 9 3
Ditto steam-launch *Behrend*	182 0 0	Working expenses	1,91,517 3 2
Ditto fire-engine *Hooghly*	100 0 0	Salaries and contingencies	4,71,276 7 1
Interest on Government securities for Reserve Funds	21,287 0 0	Pensions and compassionate allowances	27,369 14 6
Proportion of receipts from towing vessels by hopper barges	1,397 9 10	Hospital port dues paid over to Government ...	90,909 6 6
Port dues	4,81,793 1 0		
Miscellaneous receipts	1,119 6 11		
Hospital port dues	90,909 6 6		
Total ...	11,60,438 3 8	Total ...	13,56,282 2 1

Statement of Ways and Means.

	Rs. A. P.
Receipts	11,60,438 3 8
Expenditure	13,56,282 2 1
Deficit on 31st March 1900	1,95,843 14 5

The above deficit has been met from contribution from Port Trust revenue realised under Act III (B.C.) of 1890

Verified by

J. C. E. BRANSON,	G. C. RAY,	J. F. H. MCINERNY,	J. H. APJOHN,
Accts.-Genl., Bengal.	Exmr. of Local Accounts, Bengal.	Offg. Accountant.	Vice-Chairman.

Port Commrs.' Office, Calcutta, the 22nd August 1900.

PUBLISHED under the provisions of sub-section (2), section 36, of the Indian Ports Act, X of 1870.

J. H. APJHON.
Vice-Chairman of the Port Commissioners.

CALCUTTA, *the 6th September 1900.*

(611—1)

APPENDIX TO

The Calcutta Gazette.

WEDNESDAY, SEPTEMBER 19, 1900.

NOTICES TO MARINERS.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 231.

[First Publication.]

CHINA SEA—THE PHILIPPINES—PANAY ISLAND.

Port Ilo Ilo—New shoal off the fort.

THE British Admiralty has given notice (No. 505 of 1900) of the existence of a shoal of small extent with a depth of 4 fathoms over it, in port Ilo Ilo, situated with the Fort bearing West, distant 3¼ cables, and the red light at river entrance, N. 35° W.

This shoal is marked by a conical buoy painted in black and white vertical stripes. (*Notice No. 505 of 1900.*)

Approximate position, lat. 10° 41′ N., long. 122° 35′ E.

(*Variation 1° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—Port Ilo Ilo, on sheet No. 2391: Also, Eastern Archipelago, part I, 1890, page 216; and Revised Supplement, 1898, page 61.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 14th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 232.

[First Publication.]

AUSTRALIA, EAST COAST—COOKS PASSAGE.

Shoal in approach reported.

THE British Admiralty has given notice (No. 511 of 1900) that the Master of the schooner *Griffin* reports that his vessel when about 4 miles north-eastward of Cooks passage passed within 50 yards of a shoal patch about 70 yards long and 30 yards broad. The shoal did not appear to have more than a depth of 4 to 5 fathoms over it, but there was no sign of any break.

The bearings taken place this shoal in lat. 14° 28′ 20″ S., long. 145° 36′ 0″ E.

NOTE.—As no soundings were obtained, it seems not impossible that this shoal appearance might have been caused by marine animalculæ. (*Notice No. 511 of 1900.*)

This Notice affects the following Admiralty Charts:—Coral sea, No. 2764; Hope islands and Turtle group, No. 2923: Also, Australia Directory, vol. II, 1898, page 377.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 14th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 233.

[First Publication.]

JAPAN, INLAND SEA—Iyo nada.

Gogo sima, Nokutsuna sima—New rocks.

The British Admiralty has given notice (No. 513 of 1900) of the existence of the undermentioned rocks between Gogo sima and the main land:—

1. A rock with a depth of 2½ fathoms over it, situated with Take sima, Horiyé bay, bearing N. 84° E., distant 9½ cables, and Skumo sima S. 10° E.
2. A rock named Kyonoishi, with a least depth of 2¾ fathoms over it, situated with Si Sima bearing N. 42° E., distant 9¼ cables, and south point of Gogo Sima N. 71° W.
3. A rock named Taka yama ishi, with a least depth over it of 3 fathoms, situated with Si Sima bearing N. 34° E., distant 9 cables, and south point of Gogo Sima N. 70° W.

   The above two rocks (2) and (3) form part of the Yokomakura bank, which is long and irregular in shape and has depths over it of from 3½ to 4¾ fathoms.

   Approximate position, lat. 33° 52′ N., long. 132° 41′ E.
4. A sandy patch of small extent, on which there is a depth of ¾ fathom, situated on the edge of the shoal bank, southward of Mitsuga Hama with Mitsuga Hama light bearing N. 30° E., distant nearly 6 cables, and south point of Gogo Sima No. 61° W.
5. A rock southward of Nokutsu Sima, with a depth of 1½ fathoms on it, situated with the east summit of Nokutsuma (Nobotsuna) bearing N. 12° E., distant 4¼ cables. (*Notice No. 513 of 1900.*)

   Position, lat. 33° 57′ 50″ N., long. 132° 41′ 20″ E.

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Misima Nada and Iyo Nada, No. 83; Plan of Gogo Sima on sheet No. 694: Also, China Sea Directory, vol. IV., 1894, page 417.

W. B. Huddleston, Lieut., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 14th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 234.

[First Publication.]

AUSTRALIA—South channel, Port Curtis.

Exhibition lights, and changed position of Gatcombe head light.

With reference to Notice to Mariners No. 200, dated the 11th August 1900, issued by this Office, the Port Master, Brisbane, has given further notice (No. 13 of 1900) that, on and after the 8th August, the South Channel into Port Curtis will be lighted for navigation by night, and the light from Gatcombe Head will be exhibited from the new tower erected 450 feet N. by E. from the old structure.

A description of the new lights has already been given in Notice No. 11, and the directions for their use are as follow:—

South Channel.

By Day.—Vessels bound into the Port of Gladstone, and using the South Channel by day, will bring the leading light beacons, near the Boyne River, in line S. 75° W. before the Jenny Lind bank buoy is reached; continue with them in line until South Trees Point comes in line with Scrubby Mountain N.W. by W. ¾ W., then haul up for these marks, keeping them in line, and passing two red buoys on the starboard hand, until abreast of the floating lightboat (at the main entrance of the North Channel), then steer N. 55° W. until abreast of the Black Beacon (marking the limit of the shoal water E.S.E. from South Trees Point), then change course to N. 79° W., passing South Trees Point at a distance of about three cables, and two red buoys on the starboard hand; after the second red buoy is passed (marking the Rich Rock) haul down for the Jetty.

By Night.—Vessels entering the South Channel at night will get on the line of leading lights near the Boyne River before Bustard Head Light bears E.S.E. With the leading lights in line bearing S. 75° W. stand in until the leading lights on Gatcombe Head come into line bearing N. 55° W., when follow these leads until East Point Light is obscured, or until the main light on Gatcombe Head opens out. Then steer N. 69° W. to pass about two cables to the westward of the lightboat marking the inner entrance of North Channel; after passing the lightboat proceed as in directions given for North Channel at night.

NORTH CHANNEL.

By Day.—Same as at present.

By Night.—Bring Gatcombe Head Light to bear S.W. by W. ½ W., and steer in on this course until East Point Light opens out, then haul down S. by W. until Oyster Rock Light comes in sight, then steer to pass about 1¼ cables from it, taking care to avoid the shoal bank lying off the land between Settlement Point and Gatcombe Head. After passing the Oyster Rock Light, bring it and Gatcombe Head Light slightly open to the westward and steer to pass the floating white light close on the starboard hand.

A vessel when passing the floating white light will be in the main channel, and a N.W. by W. ½ W. course should be steered up the harbour until the small light at the pilot's cottage at Gatcombe Head opens out on an E. by S. ¾ S. bearing when a vessel may be kept away, being clear of the elbow of the bank and of South Trees Point while the light is in sight.

Before rounding South Trees Point the light at the foot of Auckland Point will be seen. Keep the light open and steer to pass it at a cable's length, and after it changes to red continue until the two red beacon lights are in line, when haul up to enter the creek.

Since the tides run with a velocity of from 1½ to 2½ knots an hour, due caution will have to be observed and a proper allowance made for tidal influence when navigating this channel.

Chart affected, 1900; Australia Directory, vol. 2.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 14th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 235.

[First Publication.]

BAY OF BENGAL—ORISSA COAST.

Shortt's island light.

WITH reference to Notice to Mariners No. 215, dated the 31st August 1900, issued by this office, a further telegraphic communication has been received from the Port Officer, Chandbally, stating that a sixth order dioptric fixed light will be exhibited from a masonry tower, Shortt's island, from the night of the 13th September, visible 10 miles in clear weather, between the bearings of North through East to East-South-east, magnetic.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 14th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No 236.

[First Publication.]

AFRICA, EAST—PORT OF MOMBASSA.

A fixed white light at Ras Serani.

THE Port Officer, Mombassa, has given notice, dated 23rd August 1900, that a fixed white light visible at a distance of about 12 miles will be exhibited shortly at Ras Serani. The light will be hoisted on a steel mast 60 feet high placed at the back of the inner pillar, visible from about N. 60° E. through E. to S. 20° W.

Further particulars will be published as soon as the light has been erected and put into working order.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 17th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 237.

[First Publication.]

INDIA, SOUTH—CEYLON COAST—POINT DE GALLE HARBOUR.

Neptune bastion—Lloyd's signal station established.

THE British Admiralty has given notice (No. 519 of 1900) that the Committee of Lloyd's have given Notice, dated 1st July 1900, that a signal station has been established at Neptune bastion, Point de Galle harbour, to which, any vessel requiring to be reported at night, should make the night signal of her line.

Vessels passing Point de Galle harbour at night, and wishing to indicate that they are calling at Colombo, should show a red light aft in addition to the night signal.

Arrangements have also been made at this station for immediate delivery to vessels at night, weather permitting, of orders for them; the charge for doing this being 20 rupees.

During the day orders will be signalled to vessels on the usual conditions.

The charges for reports from this station are, Day, 10*d.* each, Night, 1*s.* 3*d.*, in addition to the cost of the telegram. (*Notice No. 519 of 1900.*)

Approximate position, lat. 6° 2′ N., long. 80° 12′ E.

This Notice affects the following Admiralty Charts:—Ceylon, South coast, No. 813; Point de Galle harbour, Nos. 819, 820: Also, List of Lights, part VI, 1900, No. 297; West coast of Hindustan Pilot, 1898, page 83, and Bay of Bengal Pilot, 1892, page 57.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 17th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 238.

[First Publication.]

PACIFIC OCEAN—MARIANA OR LADRONE ISLANDS.

Position of Urracas islands.

THE British Admiralty has given notice (No. 520 of 1900) that the Urracas islands are shown too far to the northward on the Admiralty Charts. The question of the position of those islands has recently been discussed with the following results:—

No observations appear to have been taken actually on the islands themselves, but La Perouse, in 1786, placed Assumption island, off which he anchored, in lat. 19° 45′ N.

From a running survey executed by Captian Beechy, H. M. S. *Blossom*, in 1827, it would appear that the Urracas islands are situated 17 miles N. 25° W. (true) from Assumption island; this would place them in lat. 20° 0′ N., long. 145° 21′ E. As this agrees with the latest reports received by the United States Government, these islands have been placed in this position on the Admiralty Charts. (*Notice No. 520 of 1900.*)

This Notice affects the following Admiralty Charts:—Pacific Ocean, No. 781, Mariana islands, No. 1101: Also, China Sea Directory, vol. IV, 1894, page 202.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 17th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 239.

[First Publication.]

CHINA—CANTON RIVER—THE BROADWAY.

Moto island—Shoal off—Decreased depth extending.

THE British Admiralty has given notice (No. 523 of 1900) that Captain Lans, H.I.M.S. *Ilis*, reports that, owing to the decreased depths of water, his vessel, drawing 12 feet, was unable to proceed further up the river than Moto island, a depth of 6 feet having been obtained with Moto fort bearing N. 23° E., distant 7 cables, and south extreme of Moto island, East.

From this it would appear that the bank between Moto mun and Moto island is extending to the southward. (*Notice No. 523 of 1900.*)

Approximate position, lat. 22° 17′ N., long. 113° 20½′ E.

(*Variation 1° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Hui ling san to Hongkong, No. 2212; Canton river, No. 2562: Also, China Sea Directory, vol. III, 1894, pages 84, 117; and Supplement, 1898, page 11.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 17th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 220.

[Second Publication.]

BAY OF BENGAL—BURMA COAST.

China Buckeer light.

IN continuation of Notice to Mariners No. 123, dated the 12th May 1900, issued by this office, the Port Officer, Rangoon, has given further information, dated 31st August 1900, that the light on China Buckeer will be discontinued on the 15th November 1900, and a light will be exhibited from a light-vessel anchored 2 miles to the south-east (true) of the present China Buckeer light-house.

The light will be group flashing alternate red and white flashes every 45 seconds, each flash being of 5 seconds duration and visible 12 miles.

The light-vessel will be painted red with one mast, at which is hoisted a black cone and the words "China Buckeer" painted on each side.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 10th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 221.

[Second Publication.]

INDIA, WEST—BOMBAY COAST.

(*1*) *Miria bay buoy adrift.*

THE following Notices to Mariners (No. 69 of 1900), issued by the Bombay Government, is republished:—

Information, dated 21st August 1900, has been received from the Commissioner of Customs, Salt, Opium and Abkari, that the Miria bay buoy has gone adrift.

Notice of its replacement will be given.

This Notice affects the following Admiralty Chart:—Ratnagiri, Miria and Kalbadavie Bays; also West Coast of Hindustan Pilot, 4th Edition, 1898, page 179.

(*2*) *Harnai light—Alteration in character.*

Information has been received from the Commissioner of Customs, Salt, Opium and Abkari, dated 21st August 1900, that the occulting red light at Harnai will be shown as a fixed red light until further notice.

This Notice affects the following Admiralty Charts:—Karachi to Vengurla, No. 826; Gulf of Kutch to Viziadurg, No. 2736, and Kundari to Boria Pagoda, No. 738: Also, Light List, Part VI, 1900, page 38, No. 242a.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 10th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 222.

[Second Publication.]

EASTERN ARCHIPELAGO—BORNEO, SOUTH-WEST COAST.

Pulo Datu—Reef to the southward.

THE British Admiralty has given notice (No. 486 of 1900) of the existence of a reef with a depth over it of less than 16 feet, situated 7 miles southward of pulo Datu, in approximately lat. 0° 1′ S., long. 108° 36′ E. (*Notice No. 486 of 1900.*)

This Notice affects the following Admiralty Charts:—China Sea, No. 2660a; Eastern Archipelago, No. 941a: Also, China Sea Directory, vol. II, 1899, page 46.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 10th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 223.

[Second Publication.]

BAY OF BENGAL—BURMA COAST.

Rangoon river—Leading lights established southward of Syriam point.

THE British Admiralty has given notice (No. 487 of 1900) that two *white fixed* leading lights have been established to the southward of Syriam point, on the east bank of Rangoon river; the front light is situated 6½ cables S. 10° E. from the extreme of Syriam point; the rear light bears S. 71° E. from the front light.

Approximate position, front light, lat. 16° 45′ 0″ N., long. 96° 13′ 10″ E.

The above two lights in line S. 71° E. lead over the Hastings shoal. (*Notice No. 487 of 1900.*)

(*Variation 1° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—Rangoon river, No. 833: Also, List of Lights, part VI, 1900, page 60; and Bay of Bengal Pilot, 1892, page 331.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 10th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 224.

[Second Publication.]

CHINA, EAST COAST—HONG KONG.

Tailong head light—Shown in error in Chart No. 1964.

THE British Admiralty has given notice (No. 488 of 1900) that as Tailong head light appears in error on certain copies of Admiralty Chart, No. 1964, notice is hereby given that the light should be erased from that chart. (*Notice No. 488 of 1900.*)

Approximate position, lat. 22° 12′ 50″ N., long. 114° 15′ 50″ E.

This Notice affects the following Admiralty Chart:—Mirs bay, No. 1964.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department

CALCUTTA, *the 10th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 225.

[Second Publication.]

PERSIAN GULF—NABIYU FARÚR.

Bank to the southward.

THE British Admiralty has given notice (No. 489 of 1900) of the existence of a bank with a depth over it of 8 fathoms, hard bottom, situated at a distance of 1¼ miles, S. 22° W. from Nábiyu Farúr.

Approximate position, lat. 26° 6′ N., long. 54° 26′ E.

This bank apparently was not examined; there may therefore be less water over it, (*Notice No. 489 of 1900.*)

(*Variation Nil in 1900.*)

This Notice affects the following Admiralty Chart:—Persian gulf, No. 2837a: Also Persian Gulf Pilot, 1898, page 236.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 10th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 226.

[Second Publication.]

AUSTRALIA—NORTH-WEST AND NORTH COASTS.

Shoals—Examination of and search for—.

THE British Admiralty has given notice (No. 494 of 1900) that information, dated 30th May 1900, has been received from Commander J. W. Combe, H.M. Surveying Vessel *Penguin*, respecting the examination of the undermentioned shoals, and the unsuccessful search for others off the north-west and north coasts of Australia:—

1. MONEY SHOAL is of coral formation, very flat, extending 3¾ miles E.N.E. and W.S.W. by 1¾ miles wide, with a general depth of 5 to 6 fathoms over it. There are several patches of 18 feet on its eastern edge, the easternmost being in approximately lat. 10° 21′ 25″ S., long. 132° 45′ 50″ E.

   During fresh easterly winds the shoal was seen to break.

2. MARIE SHOAL, composed of sand and coral, is 2 miles long N.N.W. and S.S.E., and 1 mile broad, with a general depth of from 5 to 7 fathoms over it. The least depth is 20 feet, situated about the middle of its western edge, in approximately lat. 10° 55′ 20″ S., long. 130° 06′ 15″ E.

   This shoal is surrounded by depths of 25 and 35 fathoms.

3. BROWSE ISLET. The position of this islet (centre) is approximately in lat. 14° 07′ 0″ S., long. 123° 33′ 25″ E.

4. VULCAN SHOAL is of live coral formation, 3 miles long W. by N. and E. by S., and 1 mile wide, with general depths of from 8 to 12 fathoms over it, the least depth being 5 fathoms situated near the western end in approximately lat. 12° 49′ 5″ S., long. 124° 16′ 15″ E.

   This shoal is surrounded by depths of 50 and 90 fathoms.

5. HEYWOOD SHOAL is also of live coral, 3¾ miles long N.W. and S.E., and 2 miles broad, with general depths over it of from 9 to 15 fathoms. The least depths of 6 fathoms is situated near its south-east end in approximately lat. 13° 28′ 55″ S., long. 124° 03′ 25″ E.

   Deep water of from 30 to 50 fathoms surrounds the bank.

The above two shoals (4 and 5) were discovered in 1801 by Captain P. Heywood, H.M. Bomb *Vulcan*, and do not appear to have been seen since that date.

The undermentioned shoals have been searched for without success:—

(*a*) INDUS SHOAL in approximately lat. 10° 17′ S., long. 131° 06′ E. An area of 120 square miles in this vicinity was sounded over in fine weather, the general depths obtained being from 45 to 52 fathoms mud bottom, without any indication of shoal water. The original report of this shoal being somewhat vague, it is considered that it does not exist, and it has in consequence been erased from the Charts.

(*b*) LYNHER REEF in approximately lat. 15° 26′ S., long. 121° 55′ E. This position was sounded over, a depth of 21 fathoms being obtained near the spot; P.D. has therefore been placed against this reef on the Chart, pending further investigations.

(*d*) The shallow line of soundings reported by "LE SCORFF" in approximately lat. 10° 37′ S., long. 139° 27′ E.

(*e*) The shallow line of soundings reported by "DURANCE" in approximately lat. 10° 53′ S., long. 138° 45′ E. (*Notice No. 494 of 1900.*)

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Australia, northern portion, No. 2759a; North-west coast of Australia, No. 475; Cape Ford to Buccaneer Archipelago, Nos. 1047; Gulf of Carpentaria, Nos. 1043, 1044; Western approaches to Torres strait, No. 447: Also, Australia Directory, vol. III, 1895, pages 49, 247, 249; and Supplement, 1898, relating to that work, page 2.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 10th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 227.

[Second Publication.]

KOREA, EAST COAST—COMMEMORATION BAY.

Position of a sunken rock.

THE British Admiralty has given notice (No. 496 of 1900) of the existence of a rock, over which there is a depth of 2¼ fathoms, situated at a distance of 4 cables N. 25° E. from Datsan island, Commemoration bay (Urusan Ko), in lat. 35° 31′ 40″ N., long. 129° 26′ 55″ E. (*Notice No. 496 of 1900.*)

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Commemoration bay, on Sheet No. 1259: Also, China Sea Directory, vol. IV, 1894, page 138.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 10th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 228.

[Second Publication.]

KOREA, SOUTH-WEST COAST—MURRAY AND LYNE SOUNDS.

Shoals.

THE British Admiralty has given notice (No. 497 of 1900) of the existence of the following shoals off the south-west coast of Korea:—

(*a*) A patch of fine sand with a depth of 2¾ fathoms over it, in lat. 34° 14′ 55″ N., long. 126° 0′ 50″ E.

(*b*) A sandy shoal, named Gyuzi, with depths over it of from 3½ to 4¾ fathoms, and about 4½ cables long, north and south, and 1 to 3½ cables broad. The south extremity, with a depth of 4 fathoms over it, steep to on the east and west sides, is situated with the isolated rock about one mile northward of Kacha Do, bearing N. 7½° E., distant 6$\frac{8}{10}$ miles, in lat. 34° 28′ 20″ N., long. 125° 55′ E. (*Notice No. 497 of 1900.*)

(*Variation 3° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Korea Archipelago, No. 104: Also, China Sea Directory, vol. IV, 1894, pages 86, 79; and Supplement, 1898, pages 4 and 5.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 10th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 229.

[Second Publication.]

CHINA, EAST—YANG TSE KIANG APPROACH.

Gutzlaff light—Character altered.

THE British Admiralty has given notice (No. 503 of 1900) that the character of Gutzlaff light has been altered from white fixed to *white flashing* every *five seconds*, elevated 283 feet above high water, and visible in clear weather from a distance of 24 miles.

It is shown from a steel tower, 46 feet high, erected on the eastern summit of the island, about 50 yards N. 77° E. from the site of the old tower. (*Notice No. 503 of 1900.*)

Approximate position, lat. 30° 48′ N., long. 122° 10′ E.

(*Variation 2° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Hongkong to Liautung gulf, No. 1262; Amoy to Nagasaki, No. 2412; Kue shan islands, &c., No. 1199; Approaches to Yang tse kiang, Nos. 1124, 1602: Also, List of Lights, part VI, 1900, No. 734; China Sea Directory, vol. III, 1894, page 379; and Supplement, 189 , page 24.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 10th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 230.

[Second Publication.]

CHINA—EAST COAST.

Namoa island—Shoal ground eastward of Glengyle rock.

THE British Admiralty has given notice (No. 504 of 1900) that Mr. D. Mackenzie, Master of of S.S. *Kweilin*, reports that on 4th June 1900, his vessel, drawing about 14 feet, struck on a shoal, which, from the bearings given, would place it in the proximity of the Glengyle rock; the danger line around that rock has therefore been extended on the chart for a distance of 3 cables eastward to lat. 23° 24′ 15″ N., long. 117° 9′ 0″ E. (*Notice No. 504 of 1900.*)

This Notice affects the following Admiralty Chart:—Namoa island, No. 1957: Also, China Sea Directory, vol. III, 1894, page 156.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 10th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 215.

[Third Publication.]

BAY OF BENGAL—ORISSA COAST.

Shortt's island lighthouse.

IN continuation of Notice to Mariners No. 214, dated the 27th August, issued by this office, a telegraphic communication has been received from the Port Officer, Chandbali, stating that Dioptric masthead lights will be exhibited from Shortt's island flagstaff from 31st August, visible about five miles, pending other arrangements.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 31st August 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 216.

[Third Publication.]

NEW ZEALAND—NORTH ISLAND.

Exhibition of light on East island, near East Cape.

WITH reference to Notices to Mariners No. 239, dated 12th November 1898, and No. 13, dated 20th January 1900, the Government of New Zealand has given further notice (No. 36 of 1900) that on and after Thursday, the 9th August 1900, a light will be exhibited from sunset to sunrise from the lighthouse which has been erected on East Island, near East Cape, on the east coast of the North Island of New Zealand. The position and characteristics are as follows:—

The site of the light is in latitude 37° 4′ south, and longitude 178° 36′ east, as measured from the Admiralty chart.

The tower is constructed of cast iron. The total height from the bottom of the base to the top of the lantern is 69 ft., and it is painted white.

The light will be 362 ft. above the level of the sea at high water. It is a dioptric revolving white light of the second order, showing a white flash at intervals of ten seconds. It will be visible seaward over an arc of 280 degrees of the horizon, or as far round as the land will allow, and in ordinary clear weather it will be seen twenty-two nautical miles from the deck of a vessel 15 ft. above sea-level.

Charts affected: No. 2527, sheet iii, N. Z.; "New Zealand Pilot," chapter iii, pages 147 and 148.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 31st August 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 217.

[Third Publication.]

JAPAN—KIUSIU, EAST COAST.

Saiki bay—Rocks in northern approach.

THE British Admiralty has given notice (No. 471 of 1900) of the existence of the undermentioned rocks in the northern approaches to Saiki bay:—

(1) Tatenokawaranookinose, a rock with a least depth over it of 4 fathoms, is situated with Mura haye bearing S. 72° E., distant $9\frac{6}{10}$ cables, and the east extreme of Hiko shima S. 30° W.

Approximate position, lat. 33° 1′ 30″ N., long. 131° 54′ 50″ E.

This rock is connected by a ledge to the point south-eastward of Hirihosi.

(2) A rock with a depth of 1 fathom over it, situated with North Kando shima bearing No. 78° E., distant half a cable, and east extreme of Hiko shima S. 38° W. This rock is connected by a reef with North Kando shima.

(3) A rock with a depth of 3 fathoms over it, situated with South Kando shima bearing S. 50° W., distant one-third of a cable, and Mura haye S. 83° E. This rock is connected by a reef with South Kando shima.

(4) Sukanose, a rock with a depth of 6 fathoms over it, situated with Mitsu bosi (northern rock) bearing S. 30° E., distant 1 cable, and Mura haye S. 84° E. This rock is connected by a a reef with South Kando shima. (*Notice No. 471 of 1900.*)

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Saiki bay, No. 2985: Also, China Sea Directory, vol. IV, 1894, page 244; and Supplement, 1898, relating to that work, page 14.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 31st August 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 218.

[Third Publication.]

JAPAN—HONSHU, SOUTH COAST.

Simoda harbour—Rocks in approach.

THE British Admiralty has given notice (No. 473 of 1900) of the existence of the undermentioned rocks in the approach to Simoda harbour :—

(1) A rock with a depth over it of 4¼ fathoms, situated with Saku ne bearing S. 48° E., distant 1 cable, and west extreme of Ishitori ne S. 22° W.

(2) A rock with a depth of 4½ fathoms over it, situated with Saku ne bearing S. 31° E., distant 1⅜ cables, and west extreme of Ishitori ne S. 18° W.

(3) A rock with a depth of 3¾ fathoms over it, situated with Saku ne bearing S. 4° E., distant $1\frac{7}{10}$ cables, and Tarai sa zaki N. 77° W.

(4) A rock with a depth of 4 fathoms over it, situated with Saku ne bearing S. 4° E., distant $2\frac{1}{10}$ cables, and Tarai sa zaki N. 79° W.

(5) A rock with a depth of 3½ fathoms over it, from which Saku ne bears S. 23° E., distant $5\frac{2}{10}$ cables, and Tarai sa zaki N. 83° W.

(6) A rock named Goto ne, with a depth of 1¾ fathoms over it, situated with Saku ne bearing S. 2° E., distant 5½ cables, and Tarai sa zaki S. 80° E.

(7) A rock named Shira ne with a depth of 1¾ fathoms over it, situated with Saku ne bearing S. 43° E., distant $5\frac{5}{10}$ cables, and Toyo ne S. 13° W.

Approximate position, Suku ne, lat. 34° 37′ 15″ N., long. 138° 55′ 0″ W.

The correct name for Mechan ne is Myochan ne. (*Notice No. 473 of 1900.*)

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Chart :—Simoda harbour, No. 2655 : Also, China Sea Directory, vol. IV, 1894, page 293.

W. B. HUDDLESTON, *Lieut.*, R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 31st August 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 219.

[Third Publication.]

AUSTRALIA—QUEENSLAND.

Moreton bay—Yellow patch light, sector altered, No. 5 buoy moved.

THE British Admiralty has given notice (No. 476 of 1900) that the following alterations have been made in the lighting and buoyage of Moreton bay :—

a. Yellow patch light. The southern sector of this light now shows *white* from the bearing of S. 67° E. to S. 83° E.

Approximate position, lat. 27° 2′ S., long. 153° 28′ E.

b. North-west channel, No. 5 buoy (black, with topmark) has been moved 2 cables S. 56° W. of its former position, to mark a patch with a depth of 17½ feet over it. (*Notice No. 476 of 1900.*)

Approximate position on Chart No. 1670*a*, lat. 26° 57′ 35″ S., long. 153° 13′ 0″ E.

(*Variation 9° Easterly in 1900.*)

This Notice affects the following Admiralty Charts :—Danger point to cape Moreton, No. 1029 ; Moreton bay, No. 1670a : Also, List of Lights, part VI, 1900, No. 1218 ; and Australia Directory, vol. II, 1898, pages 123, 127.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 31st August 1900.*

APPENDIX TO

The Calcutta Gazette.

WEDNESDAY, SEPTEMBER 26, 1900.

NOTICES TO MARINERS.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 240.

[First Publication.]

AUSTRALIA—TORRES STRAIT—INNER ROUTE.

Discoloured water between Percy and High Peak islands.

THE Port Master, Brisbane, has given notice (No. 14 of 1900) that on the 11th August discoloured water was observed between the South-east Islet, Percy Group, and High Peak Island, extending in a West North-west and East South-east direction for about a mile and in a North North-east and South South-west direction for about half-a-mile.

A line drawn from the North-east extreme of the South-east Islet to High Peak Island passes over the discoloured water, from which

High Peak bears South 60° East;
South-east Islet, Northern extremity, bears North 60° West;
Steep Island bears South 4° West.

The locality will be examined at an early date.

Chart affected, No. 346; Australia Directory, vol. 2.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 24th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 241.

[First Publication.]

BAY OF BENGAL—COROMANDEL COAST.

Tranquebar flagstaff removed.

THE Presidency Port Officer, Madras, has given notice, dated 29th August 1900, that the flagstaff at Tranquebar no longer exists. It was taken down in 1889.

This Notice affects the following Admiralty Chart:—Madras to Point Calimere, No. 71d: Also, Bay of Bengal Pilot, 1892, 2nd Edition, page 114.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 24th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 242.

[First Publication.]

AFRICA, NORTH-EAST—GULF OF ADEN, NORTH SHORE.

Aden harbour—The wreck of the "Anadyr."

THE following Notice to Mariners (No. 76 of 1900) issued by the Bombay Government is republished:—

Information has been received from the Port Officer, Aden, dated 1st September 1900, that the wreck of the *Anadyr* being no longer visible above water, a permanent buoy, painted green, has been placed to mark the site of the wreck.

This Notice affects the following Admiralty Chart:—Aden and adjacent Bays, No. 7: Also, Red Sea and Gulf of Aden Pilot, 4th Edition, 1892, page 380.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 24th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 231.

[Second Publication.]

CHINA SEA—THE PHILIPPINES—PANAY ISLAND.

Port Ilo Ilo—New shoal off the fort.

THE British Admiralty has given notice (No. 505 of 1900) of the existence of a shoal of small extent with a depth of 4 fathoms over it, in port Ilo Ilo, situated with the Fort bearing West, distant 3¼ cables, and the red light at river entrance, N. 35° W.

This shoal is marked by a conical buoy painted in black and white vertical stripes. (*Notice No. 505 of 1900.*)

Approximate position, lat. 10° 41′ N., long. 122° 35′ E.

(*Variation 1° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—Port Ilo Ilo, on sheet No. 2321: Also, Eastern Archipelago, part I, 1890, page 216; and Revised Supplement, 1898, page 61.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 14th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 232.

[Second Publication.]

AUSTRALIA, EAST COAST—COOKS PASSAGE.

Shoal in approach reported.

THE British Admiralty has given notice (No. 511 of 1900) that the Master of the schooner *Griffin* reports that his vessel when about 4 miles north-eastward of Cooks passage passed within 50 yards of a shoal patch about 70 yards long and 30 yards broad. The shoal did not appear to have more than a depth of 4 to 5 fathoms over it, but there was no sign of any break.

The bearings taken place this shoal in lat. 14° 28′ 20″ S., long. 145° 36′ 0″ E.

NOTE.—As no soundings were obtained, it seems not impossible that this shoal appearance might have been caused by marine animalculæ. (*Notice No. 511 of 1900.*)

This Notice affects the following Admiralty Charts:—Coral sea, No. 2764; Hope islands and Turtle group, No. 2923: Also, Australia Directory, vol. II, 1898, page 377.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 14th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 233.

[Second Publication.]

JAPAN, INLAND SEA—Iyo nada.

Gogo sima, Nokutsuna sima—New rocks.

The British Admiralty has given notice (No. 513 of 1900) of the existence of the undermentioned rocks between Gogo sima and the main land :—

1. A rock with a depth of 2½ fathoms over it, situated with Take sima, Horiyé bay, bearing N. 84° E., distant 9½ cables, and Skumo sima S. 10° E.
2. A rock named Kyonoishi, with a least depth of 2¾ fathoms over it, situated with Si Sima bearing N. 42° E., distant 9¼ cables, and south point of Gogo Sima N. 71° W.
3. A rock named Taka yama ishi, with a least depth over it of 3 fathoms, situated with Si Sima bearing N. 34° E., distant 9 cables, and south point of Gogo Sima N. 70° W.

   The above two rocks (2) and (3) form part of the Yokomakura bank, which is long and irregular in shape and has depths over it of from 3⅓ to 4¾ fathoms. Approximate position, lat. 33° 52′ N., long. 132° 41′ E.
4. A sandy patch of small extent, on which there is a depth of ¾ fathom, situated on the edge of the shoal bank, southward of Mitsuga Hama with Mitsuga Hama light bearing N. 30° E., distant nearly 6 cables, and south point of Gogo Sima No. 61° W.
5. A rock southward of Nokutsu Sima, with a depth of 1½ fathoms on it, situated with the east summit of Nokutsuma (Nobotsuna) bearing N. 12° E., distant 4¼ cables. (*Notice No. 513 of 1900.*)

Position, lat. 33° 57′ 50″ N., long. 132° 41′ 20″ E.

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Misima Nada and Iyo Nada, No. 83 ; Plan of Gogo Sima on sheet No. 694 : Also, China Sea Directory, vol. IV., 1894, page 417.

W. B. Huddleston, Lieut., r.i.m.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 14th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 234.

[Second Publication.]

AUSTRALIA—South channel, Port Curtis.

Exhibition lights, and changed position of Gatcombe head light.

With reference to Notice to Mariners No. 200, dated the 11th August 1900, issued by this Office, the Port Master, Brisbane, has given further notice (No. 13 of 1900) that, on and after the 8th August, the South Channel into Port Curtis will be lighted for navigation by night, and the light from Gatcombe Head will be exhibited from the new tower erected 450 feet N. by E. from the old structure.

A description of the new lights has already been given in Notice No. 11, and the directions for their use are as follow:—

South Channel.

By Day.—Vessels bound into the Port of Gladstone, and using the South Channel by day, will bring the leading light beacons, near the Boyne River, in line S. 75° W. before the Jenny Lind bank buoy is reached; continue with them in line until South Trees Point comes in line with Scrubby Mountain N.W. by W. ¾ W., then haul up for these marks, keeping them in line, and passing two red buoys on the starboard hand, until abreast of the floating lightboat (at the main entrance of the North Channel), then steer N. 55° W. until abreast of the Black Beacon (marking the limit of the shoal water E.S.E. from South Trees Point), then change course to N. 79° W., passing South Trees Point at a distance of about three cables, and two red buoys on the starboard hand; after the second red buoy is passed (marking the Rich Rock) haul down for the Jetty.

By Night.—Vessels entering the South Channel at night will get on the line of leading lights near the Boyne River before Bustard Head Light bears E.S.E. With the leading lights in line bearing S. 75° W. stand in until the leading lights on Gatcombe Head come into line bearing N. 55° W., when follow these leads until East Point Light is obscured, or until the main light on Gatcombe Head opens out. Then steer N. 69° W. to pass about two cables to the westward of the lightboat marking the inner entrance of North Channel; after passing the lightboat proceed as in directions given for North Channel at night.

NORTH CHANNEL.

By Day.—Same as at present.

By Night.—Bring Gatcombe Head Light to bear S.W. by W. ½ W., and steer in on this course until East Point Light opens out, then haul down S. by W. until Oyster Rock Light comes in sight, then steer to pass about 1¼ cables from it, taking care to avoid the shoal bank lying off the land between Settlement Point and Gatcombe Head. After passing the Oyster Rock Light, bring it and Gatcombe Head Light slightly open to the westward and steer to pass the floating white light close on the starboard hand.

A vessel when passing the floating white light will be in the main channel, and a N.W. by W. ½ W. course should be steered up the harbour until the small light at the pilot's cottage at Gatcombe Head opens out on an E. by S. ¾ S. bearing when a vessel may be kept away, being clear of the elbow of the bank and of South Trees Point while the light is in sight.

Before rounding South Trees Point the light at the foot of Auckland Point will be seen. Keep the light open and steer to pass it at a cable's length, and after it changes to red continue until the two red beacon lights are in line, when haul up to enter the creek.

Since the tides run with a velocity of from 1½ to 2½ knots an hour, due caution will have to be observed and a proper allowance made for tidal influence when navigating this channel.

Chart affected, 1900; Australia Directory, vol. 2.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 14th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 235.

[Second Publication.]

BAY OF BENGAL—ORISSA COAST.

Shortt's island light.

WITH reference to Notice to Mariners No. 215, dated the 31st August 1900, issued by this office, a further telegraphic communication has been received from the Port Officer, Chandbally, stating that a sixth order dioptric fixed light will be exhibited from a masonry tower, Shortt's island, from the night of the 13th September, visible 10 miles in clear weather, between the bearings of North through East to East-South-east, magnetic.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 14th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 236.

[Second Publication.]

AFRICA, EAST—PORT OF MOMBASSA.

A fixed white light at Ras Serani.

THE Port Officer, Mombassa, has given notice, dated 23rd August 1900, that a fixed white light visible at a distance of about 12 miles will be exhibited shortly at Ras Serani. The light will be hoisted on a steel mast 60 feet high placed at the back of the inner pillar, visible from about N. 60° E. through E. to S. 20° W.

Further particulars will be published as soon as the light has been erected and put into working order.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 17th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 237.

[Second Publication.]

INDIA, SOUTH—CEYLON COAST—POINT DE GALLE HARBOUR.

Neptune bastion—Lloyd's signal station established.

THE British Admiralty has given notice (No. 519 of 1900) that the Committee of Lloyd's have given Notice, dated 1st July 1900, that a signal station has been established at Neptune bastion, Point de Galle harbour, to which, any vessel requiring to be reported at night, should make the night signal of her line.

Vessels passing Point de Galle harbour at night, and wishing to indicate that they are calling at Colombo, should show a red light aft in addition to the night signal.

Arrangements have also been made at this station for immediate delivery to vessels at night, weather permitting, of orders for them; the charge for doing this being 20 rupees.

During the day orders will be signalled to vessels on the usual conditions.

The charges for reports from this station are, Day, 10*d.* each, Night, 1*s.* 3*d.*, in addition to the cost of the telegram (*Notice No. 519 of 1900.*)

Approximate position, lat. 6° 2′ N., long. 80° 12′ E.

This Notice affects the following Admiralty Charts:—Ceylon, South coast, No. 813; Point de Galle harbour, Nos. 819, 820: Also, List of Lights, part VI, 1900, No. 297; West coast of Hindustan Pilot, 1898, page 83, and Bay of Bengal Pilot, 1892, page 57.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 17th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 238

[Second Publication.]

PACIFIC OCEAN—MARIANA OR LADRONE ISLANDS.

Position of Urracas islands.

THE British Admiralty has given notice (No. 520 of 1900) that the Urracas islands are shown too far to the northward on the Admiralty Charts. The question of the position of those islands has recently been discussed with the following results:—

No observations appear to have been taken actually on the islands themselves, but La Perouse, in 1786, placed Assumption island, off which he anchored, in lat. 19° 45′ N.

From a running survey executed by Captian Beechy, H. M. S. *Blossom*, in 1827, it would appear that the Urracas islands are situated 17 miles N. 25° W. (true) from Assumption island; this would place them in lat 20° 0′ N., long. 145° 21′ E. As this agrees with the latest reports received by the United States Government, these islands have been placed in this position on the Admiralty Charts. (*Notice No. 520 of 1900.*)

This Notice affects the following Admiralty Charts:—Pacific Ocean, No. 781, Mariana islands, No. 1101: Also, China Sea Directory, vol. IV, 1894, page 202.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 17th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 239.

[Second Publication.]

CHINA—CANTON RIVER—THE BROADWAY.

Moto island—Shoal off—Decreased depth extending.

THE British Admiralty has given notice (No. 523 of 1900) that Captain Lans, H.I.M.S. *Iltis*, reports that, owing to the decreased depths of water, his vessel, drawing 12 feet, was unable to proceed further up the river than Moto island, a depth of 6 feet having been obtained with Moto fort bearing N. 23° E., distant 7 cables, and south extreme of Moto island, East.

From this it would appear that the bank between Moto mun and Moto island is extending to the southward. (*Notice No. 523 of 1900.*)

Approximate position, lat. 22° 17′ N., long. 113° 20¼′ E.

(*Variation 1° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Hai ling san to Hongkong, No. 2212; Canton river, No. 2562: Also, China Sea Directory, vol. III, 1894, pages 84, 117; and Supplement, 1898, page 11.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 17th September 1900.* *Asst. Secy., Marine Department.*